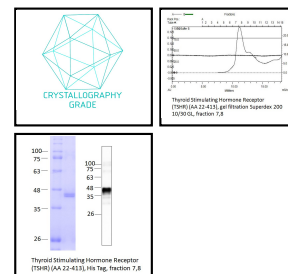


## Thyroid Stimulating Hormone Receptor (TSHR) (AA 22-413) protein (His tag)

Protein Name:	<b>Thyroid Stimulating Hormone Receptor (TSHR)</b>
Protein Characteristics:	AA 22-413
Origin:	Mouse (Murine)
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TSH receptor protein is labelled with His tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)
Catalog no.:	ABIN3150299
Quantity:	0.5 mg
Availability:	Will be delivered in 40 Business Day(s) (Ships to: North America)

3 Images available



## Product Details

Sequence:	<p>KECASPPCECHQEDDFRVTCKELHRIPSLPPSTQTLKLIETHLKTIPSLAFSSLPNISRIYLSIDATLQRLP PHSFYNLSKMTHEIRNTRSLTYIDPDALTEPLPKFLGIFNTGLRIFPDLTKIYSTDIFFILEITDNPYMTSV PENAFQGLCNETLTLKLYNNGFTSVQGHAFNGTKLDAVYLNKNKYLTAINDAFGGVYSGPTLLDVS STSVTALPSKGLEHLKELIAKDTWTLKKPLSLSLFLHLTRADLSYPSHCCAFKNQKKIRGILESLMCNES SIRNLRQRKSVNLRGPIYQEYEEDPGDNSVGKQNSKFQESPSNSHYVFFEEQEDEVVGFQELKN PQEETLQAFESHYDYTVCGDNEDMVCTPKSDEFNPCEDIMGHHHHHH</p> <p><b>Sequence including C-terminal His-tag.</b></p>
Characteristics:	<ul style="list-style-type: none"> <li>• Made in Germany - from design to production - by highly experienced protein experts.</li> <li>• Mouse Tshr Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.</li> <li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li> </ul>
Purification:	The protein is purified from the cleared cell lysate using EDTA and DTT resistant His-tag capture materials. Eluate fractions are analyzed by SDS-PAGE. Protein containing fractions are subjected to a second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

## Target details

Background:	Receptor for thyrothrin. Plays a central role in controlling thyroid cell metabolism. The activity of this receptor is mediated by G proteins which activate adenylate cyclase. Also acts as a receptor for thyrostimulin (GPA2+GPB5).
Molecular Weight:	45.3 kDa Including tag.
UniProt:	<b>P47750</b>
Pathways:	<b>Thyroid Hormone Synthesis</b>

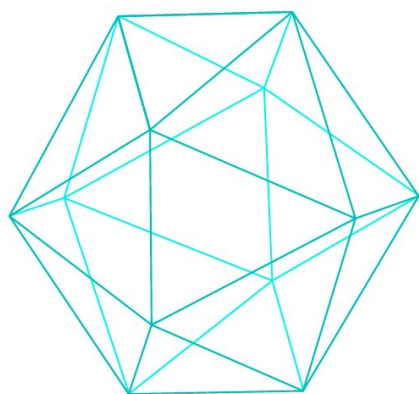
## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Comment:	Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

## Handling

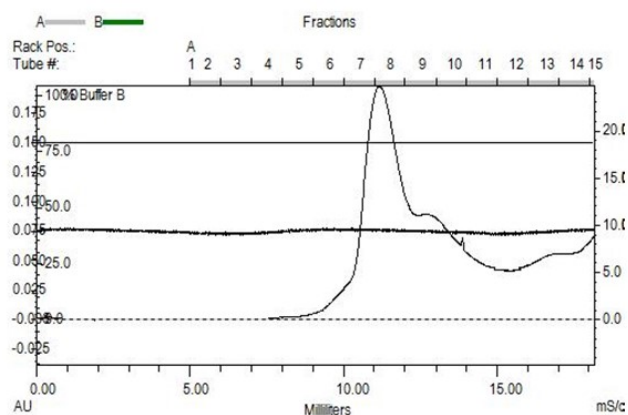
Format:	Liquid
Buffer:	In solution (20 mM Hepes, pH7.4; 100 mM NaCl)
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

## Images



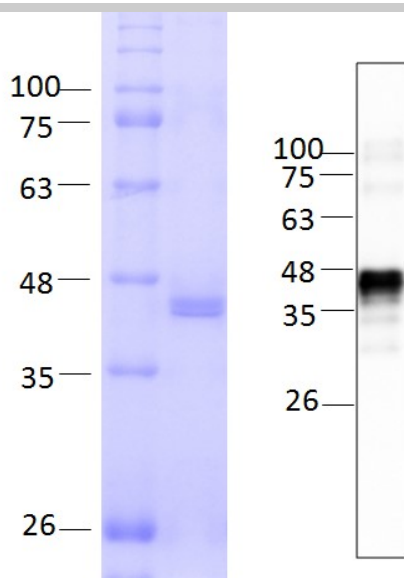
**CRYSTALLOGRAPHY  
GRADE**

„Crystallography Grade“ protein due to multi-step,  
protein-specific purification process



Thyroid Stimulating Hormone Receptor  
(TSHR) (AA 22-413), gel filtration Superdex 200  
10/30 GL, fraction 7,8

Image 2 for Thyroid Stimulating Hormone Receptor (TSHR) (AA  
22-413) protein (His tag)



Thyroid Stimulating Hormone Receptor  
(TSHR) (AA 22-413), His Tag, fraction 7,8

Image 3 for Thyroid Stimulating Hormone Receptor (TSHR) (AA  
22-413) protein (His tag)

## Order form

### Please address orders & technical inquiries to:

antibodies-online Inc.                      Fax +1 888 205 9894  
Dunwoody Park, Suite 145              Phone +1 877 302 8632  
Atlanta, GA 30338                      [info@antibodies-online.com](mailto:info@antibodies-online.com)  
United States

### Orderer

Salutation (Mr./Ms.)	.....	Title	.....
Name	.....	Institution	.....
Phone	.....	Email	.....

### Shipping address

Name recipient	.....	Institution	.....
Street	.....	Postal code	.....
City	.....	Country	.....

### Billing address

Name recipient	.....	Institution	.....
Street	.....	Postal code	.....
City	.....	Country	.....
VAT ID	.....		

### Your Order

Purchase Order Number (PON) (Optional) .....

Pos.	Product ID (e.g. ABIN123456)	Name (e.g. SOC2 antibody)	Amount
1.	ABIN3150299	Thyroid Stimulating Hormone Receptor (TSHR) (AA 22-413)...	
2.			
3.			

I took note of and accepted the terms and conditions of antibodies-online Inc. (<http://www.antibodies-online.com/terms/>).

Signature ..... Place, Date .....