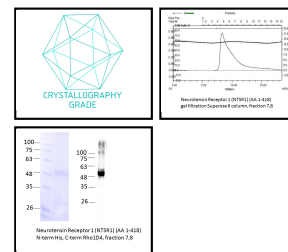


Neurotensin Receptor 1 (High Affinity) (NTSR1) (AA 1-418) protein (rho-1D4 tag,His tag)

Protein Name:	Neurotensin Receptor 1 (High Affinity) (NTSR1)
Protein Characteristics:	AA 1-418
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NTSR1 protein is labelled with rho-1D4 tag,His tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)
Catalog no.:	ABIN3084600
Quantity:	0.5 mg
Availability:	Will be delivered in 40 Business Day(s) (Ships to: North America)

3 Images available



Product Details

Sequence:	<p>HHHHHHRLNSSAPGT PGTPAADPFQ RAQAGLEEAL LAPGFGNASG NASERVLAAP SSELDVNTDI YSKVLVTAVY LALFVVGTVG NTVTAFTLAR KKSLQSLQST VHYHLGSLAL SDLLTLLAM PVELYNFIWV HHPWAFGDAG CRGYFLRDA CTYATALNVA SLSVERYLAI CHPFKAKTLM SRSRTKKFIS AIWLASALLA VPMLFTMGEG NRSADGQHAG GLVCTPTIHT ATVKVVIQVN TFMSFIFPMV VISVLNTIIA NKLTVMVRQA AEQGQVCTVG GEHSTFSMAI EPGRVQALRH GVRVLRVVI AFVVCWLPYH VRRLMFCYIS DEQWTFPLYD FYHYFYMTVN ALFYVSSTIN PILYNLVSAN FRHIFLATLA CLCPVWRRRR KRPAFSRKAD SVSSNHTLSS NATRETLYGSSGTETSQVAPA</p> <p>Sequence including N-terminal His-tag and C-terminal Rho1D4 tag.</p>
Characteristics:	<ul style="list-style-type: none"> Made in Germany - from design to production - by highly experienced protein experts. Human NTSR1 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade. State-of-the-art algorithm used for plasmid design (Gene synthesis).
Purification:	The protein is purified from the cleared cell lysate using Rho1D4 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:	G-protein coupled receptor for the tridecapeptide neurotensin (NTS) (PubMed:8381365, PubMed:21725197, PubMed:23140271). Signaling is effected via G proteins that activate a phosphatidylinositol-calcium second messenger system. Signaling leads to the activation of downstream MAP kinases and protects cells against apoptosis (PubMed:21725197). {ECO:0000269 PubMed:21725197,
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Target details

ECO:0000269|PubMed:23140271, ECO:0000269|PubMed:8381365}.

Molecular Weight: 48.1 kDa Including tag.

UniProt: **P30989**

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: 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 (50 mM Hepes, pH8.0; 200 mM NaCl; 10% Glycerol; 0.1% n-Decyl-beta-maltoside; 0.01% cholesterolhemisuccinate; 0.01% CHAPSO)

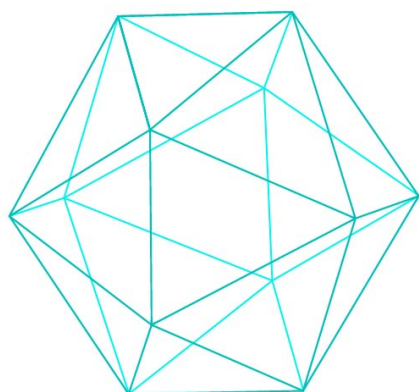
Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

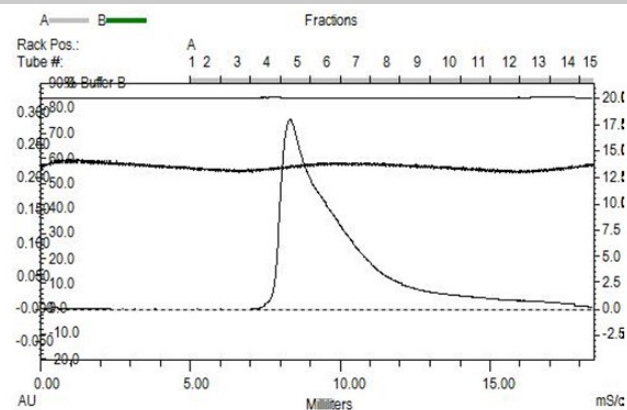
Expiry Date: Unlimited (if stored properly)

Images



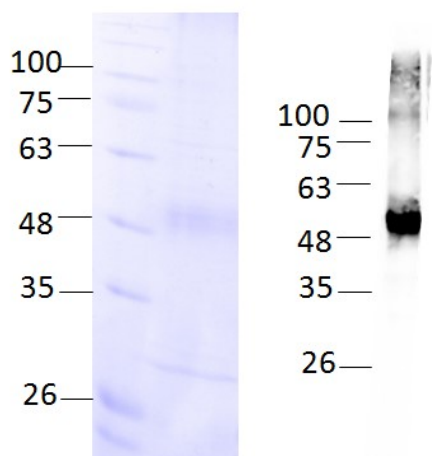
**CRYSTALLOGRAPHY
GRADE**

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



Neurotensin Receptor 1 (NTSR1) (AA 1-418)
gel filtration Superose 6 column, fraction 7,8

Image 2 for Neurotensin Receptor 1 (High Affinity) (NTSR1)
(AA 1-418) protein (rho-1D4 tag, His tag)



Neurotensin Receptor 1 (NTSR1) (AA 1-418)
N-term His, C-term Rho1D4, fraction 7,8

Image 3 for Neurotensin Receptor 1 (High Affinity) (NTSR1)
(AA 1-418) protein (rho-1D4 tag, His tag)

Order form

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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