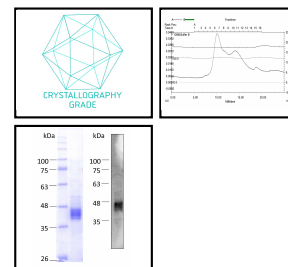


Proline Rich, Lacrimal 1 (PROL1) (AA 22-248) protein (His tag)

Protein Name:	Proline Rich, Lacrimal 1 (PROL1)
Protein Characteristics:	AA 22-248
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PROL1 protein is labelled with His tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)
Catalog no.:	ABIN3105840
Quantity:	0.5 mg
Availability:	Will be delivered in 40 Business Day(s) (Ships to: North America)

3 Images available



Product Details

Sequence:	<p>MQRFSRRPYL PGQLPPPLY RPRWVPPSP PPYDSRLNSP LSLPFVPGRV PPSSFSRFSQ AVILSQLFPL ESIRQPLFP GYPNLHFPLR PYYVGPIRL KPPFPPIFF LAIYLPISNP EPQINITTAD TTITTNPPTT ATATTSTSTK PTMTISSSTV PISSTPEPAT SISAATPAAS TENTTQILAN RPHTVLLNAT VQVTTSNQTI LSSPAFKSFW QKLFAIFG HHHHHH Sequence including C-terminal His-tag.</p>
Characteristics:	<ul style="list-style-type: none"> • Made in Germany - from design to production - by highly experienced protein experts. • Human PROL1 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). • Tag Location: C-terminal His Tag
Purification:	The protein is purified from the cleared cell lysate using EDTA 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:	Opiorphin is an endogenous inhibitor of neprilysin and aminopeptidase N. Inhibits the breakdown of substance P, Mca-BK2 and Met-enkephalin by neprilysin in vitro with IC(50) values of 29 µM, 33 µM and 33 µM respectively. Inhibits the breakdown of Ala-pNA by aminopeptidase N in vitro with an IC(50) of 65 µM. Has a potent analgesic effect when administered to rats by intravenous injection. {ECO:0000269|PubMed:17101991}.
Molecular Weight:	24.9 kD. Including tag.
UniProt:	Q99935

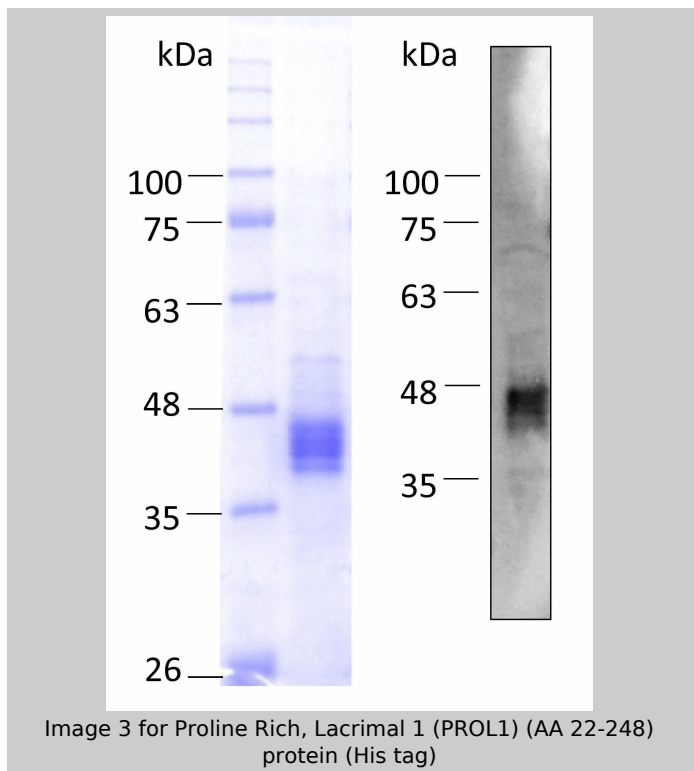
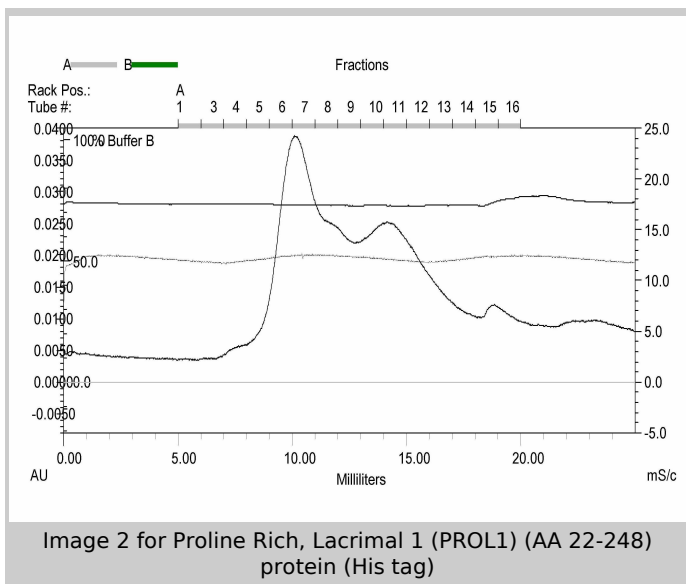
Application Details

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:	100 mM NaCl, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

Images



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
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.	ABIN3105840	Proline Rich, Lacrimal 1 (PROL1) (AA 22-248) protein (His tag)	
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