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## CHRNE Protein (AA 21-239) (His tag)

2 Images



Publication



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#### Overview

Overview	
Quantity:	1 mg
Target:	CHRNE
Protein Characteristics:	AA 21-239
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHRNE protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA, Crystallization (Crys)
Product Details	

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Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA, Crystallization (Crys)
Product Details	
Sequence:	MHHHHHH KNEELRLYHH LFNNYDPGSR PVREPEDTVT ISLKVTLTNL ISLNEKEETL
	TTSVWIGIDW QDYRLNYSKD DFGGIETLRV PSELVWLPEI VLENNIDGQF GVAYDANVLV
	YEGGSVTWLP PAIYRSVCAV EVTYFPFDWQ NCSLIFRSQT YNAEEVEFTF AVDNDGKTIN
	KIDIDTEAYT ENGEWAIDFC PGVIRRHHGG ATDGPGETDV IYSLIIRRK
	Sequence includes N-terminal His-tag
Characteristics:	<ul> <li>Made in Germany - from design to production - by highly experienced protein experts.</li> <li>Human PLP1 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>
	The concentration of our recombinant proteins is measured using the absorbance at 280nm.

specific reference buffer.

The protein's absorbance will be measured in several dilutions and is measured against its

#### **Product Details**

	The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.
Purification:	The protein is purified from the cleared cell lysate using 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:	Endotoxin has not been removed. Please contact us if you require endotoxin removal.
Grade:	Crystallography grade
Target Details	
Target:	CHRNE
Alternative Name:	CHRNE (CHRNE Products)
Background:	After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane.
Molecular Weight:	26.0 kDa Including tag
UniProt:	Q04844
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 (30 mM Hepes, pH 8.0, 100 mM NaCl, Laurylsarcosine)
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

#### **Publications**

Product cited in:

Chernyavsky, Amber, Agnoletti, Wang, Grando: "Synergy among non-desmoglein antibodies contributes to the immunopathology of desmoglein antibody-negative pemphigus vulgaris." in:

The Journal of biological chemistry, Vol. 294, Issue 12, pp. 4520-4528, (2019) (PubMed).

### **Images**

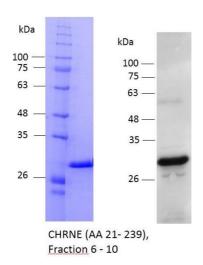
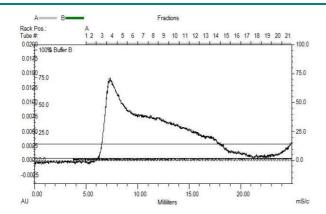


Image 1.



CHRNE (AA 21- 239), gel filtration Superdex 200; fractions 6 - 10

#### Image 2.