

Datasheet for ABIN3123818

GFRAL Protein (AA 20-349) (His tag)

3 Images

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Overview

Quantity:	1 mg
Target:	GFRAL
Protein Characteristics:	AA 20-349
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GFRAL protein is labelled with His tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Sequence: MQTNDCAHLI QKCLIDANGC EQSWRSMEDT CLTPGDSCKI NNSLHCNLSI QALVEKNFQF
KECLCMDLH CTVNKLFGKK CTNKTDNMEK DNKDKWNLTT TPFYHGFKQM QSCLEVTEAC
VGDVVCNAQL ALYLKACSAN GNLCDVKHQCQ AAIRFFYQNM PFNTAQMLAF CDCAQSDIP
CQQSKETLHS KPCALNIVPP PTCLSVIHTC RNDELCRTHY RTFQTECWPH ITGKCHEDET
CISMLGKQDL TCSGSESCRA AFLGTFGTVL QVPCACRGVT QAEEHVCMIF QHMLHSKSC
FNYPTPNVKD ISSYEKKNSK EITLTGFNSF FNGHHHHHH

Sequence with tag.

- Characteristics:
- Made in Germany - from design to production - by highly experienced protein experts.
 - Mouse Gfral 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).

This protein is a made to order protein and will be made for the first time for your order. Our

Product Details

experts in the lab will ensure that you receive a correctly folded protein.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

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:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: 1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE. 2. Protein containing fractions of the best purification are subjected to 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

Target:	GFRAL
Alternative Name:	Gfral (GFRAL Products)
Molecular Weight:	38.0 kDa Including tag.
UniProt:	Q6SJE0

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:	C-terminal His-tag
Restrictions:	For Research Use only

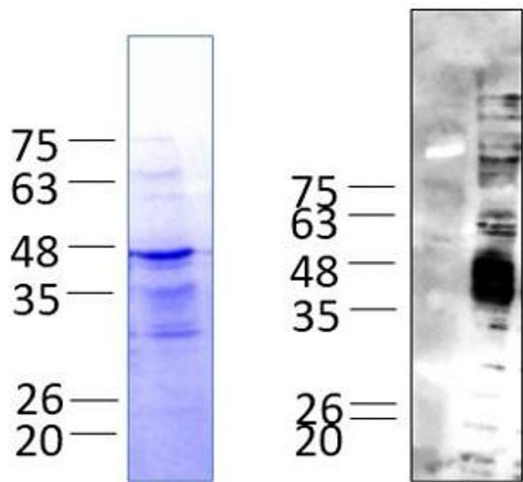
Handling

Format:	Liquid
Buffer:	20 mM Hepes, pH 7.4, 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



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process



Western Blotting

Image 2. GDNF Family Receptor alpha Like (GFRAL) (AA 20-349), Fraction 11-13

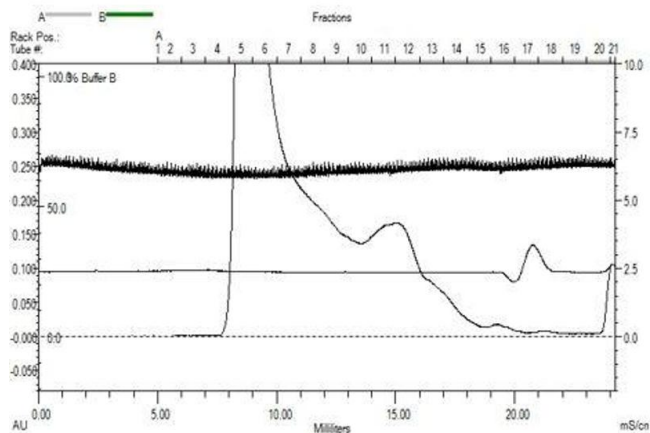


Image 3. GDNF Family Receptor alpha Like (GFRAL) (AA 20-349), Gel filtration Superose 6, Fraction 11-13