

Datasheet for ABIN7548167

GRAMD1B Protein (AA 1-738) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	GRAMD1B
Protein Characteristics:	AA 1-738
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GRAMD1B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant GRAMD1B Protein expressed in mammalian cells.
Sequence:	MKGFKLSCTA SNSNRSTPAC SPILRKRSRS PTPQNQDGD T MVEKGS DHSS DKSPSTPEQG VQRSCSSQSG RSGGKNSKKS QSWYNVLSPT YQQRNEDFRK LFKQLP DTER LIVDYSCALQ RDILLQGRLY LSENWICFYS NIFRWETLLT VRLKDICSMT KEKTARLIPN AIQVCTDSEK HFFTSFGARD RTYMMMFRLW QNALLEKPLC PKELWHFVHQ CYGNELGLTS DDEDYVPPDD DFNTMGYCEE IPVEENEVND SSSKSSIETK PDASPQLPKK SITNSTLTST GSSEAPVSFD GLPLEEEALE GDGSLEKELA IDNIMGEKIE MIAPVNSPSL DFNDNEDIPT ELSDSSDTHD EGEVQAFYED LSGRQYVNEV FNFSVDKLYD LLFTNSPFQR DFMEQRRFSD IIFHPWKKEE NGNQSRVILY TITLTNPLAP KTATVRETQT MYKASQESEC YVIDAEVLTH DVPYHDYFYT INRYTLTRVA RNKSRLRVST ELRYRKQPWG LVKTFIEKNF WSGLEDYFRH LESELAKTES TYLAEMHRQS PKEKASKTTT VRRRKRPHAH LRVPHLEEV M SPVTTPTDED VGHRIKHVAG STQTRHIPED TPNGFHLQSV SKLLLVISCV ICFSLVLLVI LNMMLFYKLV MLEYTTQTLT AWQGLRLQER LPQSQTAWAQ LLESQKYHD TELQKWREII KSSVMLLDQM KDSLINLQNG

Product Details

IRSRDYTSES EEKRNRYH **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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 experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: GRAMD1B

Alternative Name: GRAMD1B ([GRAMD1B Products](#))

Background: Protein Aster-B (GRAM domain-containing protein 1B),FUNCTION: Cholesterol transporter that mediates non-vesicular transport of cholesterol from the plasma membrane (PM) to the endoplasmic reticulum (ER) (By similarity). Contains unique domains for binding cholesterol and the PM, thereby serving as a molecular bridge for the transfer of cholesterol from the PM to the ER (By similarity). Plays a crucial role in cholesterol homeostasis in the adrenal gland and has the unique ability to localize to the PM based on the level of membrane cholesterol (By similarity). In lipid-poor conditions localizes to the ER membrane and in response to excess cholesterol in the PM is recruited to the endoplasmic reticulum-plasma membrane contact

Target Details

sites (EPCS) which is mediated by the GRAM domain (By similarity). At the EPCS, the sterol-binding VASt/ASTER domain binds to the cholesterol in the PM and facilitates its transfer from the PM to ER (By similarity). {ECO:0000250|UniProtKB:Q80TI0}.

Molecular Weight: 85.4 kDa

UniProt: [Q3KR37](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition 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: 12 months