

Datasheet for ABIN7564588
NGEF Protein (AA 1-710) (His tag)



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Overview

Quantity:	1 mg
Target:	NGEF
Protein Characteristics:	AA 1-710
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NGEF protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Ngef Protein expressed in mammalien cells.
Sequence:	METKNSDWG KPQRKSESSS RKSNHGPAEM RPALPPENRE APETGEETQN EEPRLIPIQ RHSLFNRAVR HRHKARSTSE RRASDQADLP KMGKSVNERS AFNLPQGRLS PWRTPAQRDT GAQEASESSS TPGNGTTPEE CPALTDSPPTT LTEALQMIHP IPADSWRNLI EQIGLLYQEY RDKSTLQEIE TRRQQDAEIQ GNSDGSQVGE DAGEEEEEEE EGEEELASP PERRALPQIC LLSNPHSRFN LWQDLPEIQS SGVLDILQPE EIRLQEAMFE LVTSEASYK SLNLLVSHFM ENERLKKILH PSEAHILFSN VLDVMAVSER FLELEHRME ENIVISDVCD IVYRYAADHF SVYITYVSNQ TYQERTYKQL LQEKAAREL IAQLELDPKC KGLPFSSFLI LPFQRITRLK LLVQNILKRV EERSEREGTA LDAHKELEMV VKACNEGVRK MSRTEQMISI QKKMEFKIKS VPIISHRWL LKQGELQQMS GPKTSRTLRT KKLRFREIYLF LFNLLVICR QIPGDKYQVF DSAPRGLLRV EELEDQGQTL ANVFILRLL NADDREATYM LKASSQSEMK RWMTSLAPNR RTKFSVFTSR LLDCPQVQCV HPYVAQQPDE LTLELADILN ILEKTEDGWI FGERLHDQER

Product Details

GWFPSSMTEE ILNPKIRSQN LKECFRVHKM EDPQRSQNKD RRKLGSRNRQ **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

NGEF

Alternative Name:

Ngef ([NGEF Products](#))

Background:

Ephexin-1 (Eph-interacting exchange protein) (Neuronal guanine nucleotide exchange factor),FUNCTION: Acts as a guanine nucleotide exchange factor (GEF) which differentially activates the GTPases RHOA, RAC1 and CDC42. Plays a role in axon guidance regulating ephrin-induced growth cone collapse and dendritic spine morphogenesis. Upon activation by ephrin through EPHA4, the GEF activity switches toward RHOA resulting in its activation. Activated RHOA promotes cone retraction at the expense of RAC1- and CDC42-stimulated growth cone extension. {ECO:0000269|PubMed:11336673, ECO:0000269|PubMed:15848799, ECO:0000269|PubMed:17143272}.

Molecular Weight:

82.2 kDa

Target Details

UniProt: [Q8CHT1](#)

Pathways: [Neurotrophin Signaling Pathway](#)

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.

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
