

Datasheet for ABIN7564484

## Ephrin A1 Protein (EFNA1) (AA 1-1127) (His tag)



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### Overview

Quantity:	1 mg
Target:	Ephrin A1 (EFNA1)
Protein Characteristics:	AA 1-1127
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Ephrin A1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinant Efl1 Protein expressed in mammalian cells.
Sequence:	<p>MVLSGVDKMI RLQKNTANIR NICVLAHVDH GKTTLADCLI SSNGIISSRL AGKLRYMDSR</p> <p>EDEQVRGITM KSSAISLHYA EGHEEYLINL IDSPGHVDFS SEVSTAVRIC DGCIIVDDAV</p> <p>EGVCPQTQAV LRQAWLENIR PVLVINKIDR LIVELKFTPQ EAYSHLKNIL EQINALTGTL</p> <p>FTSKVLEERA ERETESQAKP HSEQGEQVYD WSAGLEDVDD SQLYFSPEQG NVVFTSAIDG</p> <p>WGFGIEHFAR IYSQKIGIKK EVLLKTLWGD YYINMKAKKI MKVDQAKGKK PLFVQLILEN</p> <p>IWSLYDAVLK KDKEKIDKIV TSLGLKIGAR EARHSDPKVQ INAICSQWLP ISHAVLAMVC</p> <p>HKLPSPLDMT SERVEKLLCT GSQTFESLPP ETQALKAAPM KCGSEDTAPV IIFVSKMFAV</p> <p>DVKALPQNKP RPLTQEEMAQ RRERARQRHA EKLAQAAGQT SQGPTQDGGA LETSPHEDEP</p> <p>RGDEPDVASV SRQPVSQEES SQEAFIAFAR VFSGIARRGK KIFVLGPKYS PVDFLQRVPL</p> <p>GFSAPLEDLP PVPHMACCTL ENLYLLMGRE LEDLEEVPPG NVLGIGGLQD FVLKSATLCS</p> <p>LPSCPPFIPL NFEATPIVRV AVEPKHPSEM PQLVKGMKLL NQADPCVQVL IQETGEHVLV</p>

Product Details

TAGEVHLQRC LDDLREFAK IHISVSEPII PFRETITKPP KVDMVNNEIG RQQKVAVIHQ  
TKEEQSKIPE GIHVSDGLI TIPTPNKLAT LSVRAIPLPE EVTRILEENS DLIRSMELLT  
SSLNEGRNTQ AIHQKTQEKI WEFKKGLEKH LTGRKWRNTV DQIWSFGPRK CGPNILVSRS  
EDFQNSVWSG PAGRESKEAS RFRDFGNSIV SGFQLATLSG PMCEEPLMGV CFVLEKWELN  
KCAEQGASDK QHQGQCDLAG EGQGGGKTCH VGDENQEQQD VCSEPFEETS QKGDSPVIDC  
YGPFGQLIA TMKEACRYAL QVKPQRLMAA MYTCDIMATS DVLGRVYAVL SKREGRVLQE  
EMKEGTDMFI IKAVLPVAES FGFADEIRKR TSGLASPQLV FSHWEVIPSD PFWVPTTEEE  
YLHFGEKADS ENQARKYMNA VRKRKGlyVE EKIVEHAEKQ RTLSKNK **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:	<div>Key Benefits:</div> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	Ephrin A1 (EFNA1)
Alternative Name:	Ef11 ( <a href="#">EFNA1 Products</a> )
Background:	Elongation factor-like GTPase 1 (Elongation factor Tu GTP-binding domain-containing protein 1) (Elongation factor-like 1) (Protein FAM42A),FUNCTION: Involved in the biogenesis of the 60S

## Target Details

ribosomal subunit and translational activation of ribosomes. Together with SBDS, triggers the GTP-dependent release of EIF6 from 60S pre-ribosomes in the cytoplasm, thereby activating ribosomes for translation competence by allowing 80S ribosome assembly and facilitating EIF6 recycling to the nucleus, where it is required for 60S rRNA processing and nuclear export. Has low intrinsic GTPase activity. GTPase activity is increased by contact with 60S ribosome subunits (By similarity). {ECO:0000250}.

Molecular Weight: 125.8 kDa

UniProt: [Q8C0D5](#)

Pathways: [RTK Signaling](#)

## 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