

Datasheet for ABIN7553761

## Ephrin A1 Protein (EFNA1) (AA 1-1120) (His tag)



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### Overview

Quantity:	1 mg
Target:	Ephrin A1 (EFNA1)
Protein Characteristics:	AA 1-1120
Origin:	Human
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 recombinat EFL1 Protein expressed in mammalian cells.
Sequence:	<p>MVLNSLDKMI QLQKNTANIR NICVLAHVDH GKTTLADCLI SSNGISSLR AGKLRYMDSR</p> <p>EDEQIRGITM KSSAISLHYA TGNEEYLINL IDSPGHVDFS SEVSTAVRIC DGCIIVVDAV</p> <p>EGVCPQTQAV LRQAWLENIR PVLVINKIDR LIVELKFTPQ EAYSHLKNIL EQINALTGTL</p> <p>FTSKVLEERA ERETESQVNP NSEQGEQVYD WSTGLEDTDD SHLYFSPEQG NVVFTSAIDG</p> <p>WGFGIEHFAR IYSQKIGIKK EVLMKTLWGD YYINMKAKKI MKGDQAKGKK PLFVQLILEN</p> <p>IWSLYDAVLK KDKDKIDKIV TSLGLKIGAR EARHSDPKVQ INAICSQWLP ISHAVLAMVC</p> <p>QKLPSPLDIT AERVERLMCT GSQTFDSFPP ETQALKA AFM KCGSEDTAPV IIFVSKMFAV</p> <p>DAKALPQNK RPLTQEEIAQ RRERARQRHA EKLAQAQQA PLEPTQDGSA IETCPKGEEP</p> <p>RGDEQQVESM TPKPVLQEEN NQESFIAFAR VFSGVARRGK KIFVLGPKYS PLEFLRRVPL</p> <p>GFSAPPDGLP QVPHMAYCAL ENLYLLMGRE LEYLEEVPPG NVLGIGGLQD FVLKSATLCS</p> <p>LPSCPPFIPL NFEATPIVRV AVEPKHPSEM PQLVKGMKLL NQADPCVQIL IQETGEHVLV</p>

TAGEVHLQRC LDDLKERFAK IHISVSEPII PFRETITKPP KVDMVNNEIG KQKQVAVIHQ  
MKEDQSKIPE GIQVSDGLI TITTPNKLAT LSVRAMPLPE EVTQILEENS DLIRSMEQLT  
SSLNEGENTH MIHQKTQEKI WEFKGGLEQH LTGRRWRNIV DQIWSFGPRK CGPNILVNKS  
EDFQNSVWTG PADKASKEAS RYRDLGNSIV SGFQLATLSG PMCEEPLMGV CFVLEKWDLS  
KFEEQGASDL AKEGQEEENET CSGGNENQEL QDGCSEAFEK RTSQKGESPL TDCYGPFGSQ  
LIATMKEACR YALQVKPQRL MAAMYTCDIM ATGDVLGRVY AVLSKREGRV LQEEMKEGTD  
MFIKAVLPV AESFGFADEI RKRTSGLASP QLVFSHWEII PSDPFVWPTT EEEYLHFGEK  
ADSENQARKY MNAVRKRKGL YVEEKIVEHA EKQRTLSKNK **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:	<p>Key Benefits:</p> <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
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Grade:	custom-made
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Target Details

Target:	Ephrin A1 (EFNA1)
Alternative Name:	EFL1 (EFNA1 Products)
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. {ECO:0000269|PubMed:21536732}.

Molecular Weight: 125.4 kDa

UniProt: [Q7Z2Z2](#)

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