

Datasheet for ABIN7553812
EML4 Protein (AA 1-981) (His tag)



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Overview

Quantity:	1 mg
Target:	EML4
Protein Characteristics:	AA 1-981
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EML4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat EML4 Protein expressed in mammalian cells.
Sequence:	<p>MDGFAGSLDD SISAASSTDV QDRLSALESR VQQQEDEITV LKAALADVLR RLAISEDHVA</p> <p>SVKKS SVSSKG QPSRAVIPM SCITNGSGAN RKPSHTSAVS IAGKETLSSA AKSGTEKKKE</p> <p>KPQGQREKKE ESHSNDQSPQ IRASPSQPQS SQPLQIHRQT PESKNATPTK SIKRPSPAEK</p> <p>SHNSWENSDD SRNKLSKIPS TPKLIPKVT KADKHKDVII NQEGEYIKMF MRGRPITMFI</p> <p>PSDVDNYDDI RTELPPKELK LEWAYGYRGK DCRANVYLLP TGKIVYFIAS VVLFNYEER</p> <p>TQRHYLGHTD CVKCLAIHPD KIRIATGQIA GVDKDGRLPQ PHVRVWDSVT LSTLQIIGLG</p> <p>TFERGVGCLD FSKADSGVHL CIIDSNEHM LTVWDWQKKA KGAEIKTTNE VVLAVEFHPT</p> <p>DANTIITCGK SHIFFWTWSG NSLTRKQGIF GKYEKP KFVQ CLAFLNGNDV LTGDSGGVML</p> <p>IWSKTTVEPT PGKGPKGVYQ ISKQIKAHDG SVFTLCQMRN GMLLTGGGKD RKIILWDHDL</p> <p>NPEREIEVPD QYGTIRAVAE GKADQFLVGT SRNFILRGTF NDGFQIEVQG HTDELWGLAT</p> <p>HPFKDLLLTC AQDRQVCLWN SMEHRLEWTR LVDEPGHCAD FHPSGTVVAI GTHSGRWFVL</p>

Product Details

DAETRDLSI HTDGNELSV MRYSIDGTFL AVGSHDNFIY LYVSENGRK YSRYGRCTGH
SSYITHLDWS PDNKYIMSNS GDYEILYWDI PNGCKLIRNR SDCKDIDWTT YTCVLGFQVF
GVWPEGSDGT DINALVRSHN RKVIAVADDF CKVHLFQYPC SKAKAPSHKY SAHSSHVTNV
SFTHNDSHLI STGGKDMSII QWKLVEKLSL PQNETVADTT LTKAPVSSSTE SVIQSNTPTP
PPSQPLNETA EEESRISSSP TLENSLEQT VEPSEDHSEE ESEEGSGDLG EPLYEEPCNE
ISKEQAKATL LEDQQDPSPS S **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:

EML4

Alternative Name:

EML4 ([EML4 Products](#))

Background:

Echinoderm microtubule-associated protein-like 4 (EMAP-4) (Restrictedly overexpressed proliferation-associated protein) (Ropp 120),FUNCTION: Essential for the formation and stability of microtubules (MTs) (PubMed:16890222, PubMed:31409757). Required for the organization of the mitotic spindle and for the proper attachment of kinetochores to MTs (PubMed:25789526). Promotes the recruitment of NUDC to the mitotic spindle for mitotic

Target Details

	progression (PubMed:25789526). {ECO:0000269 PubMed:16890222, ECO:0000269 PubMed:25789526, ECO:0000269 PubMed:31409757}.
Molecular Weight:	108.9 kDa
UniProt:	Q9HC35

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