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Datasheet for ABIN7557316
ESPNL Protein (AA 1-1005) (His tag)

Overview

Quantity:	1 mg
Target:	ESPNL
Protein Characteristics:	AA 1-1005
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ESPNL protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Espnl Protein expressed in mammalian cells.
Sequence:	MEAQQALVAS KDGDMATLER LFEAGALRPD ITDDLGAGLV HHATRAGHLD CVKFLVQRAK LPGNQQAHNH ATPVHDAAAT GNLAELCWLIV RDAGCGLQDQ DASGVSPLHL AARFGHPALV EWLLREGHAA TLETLEGALP LHHAAVSGDL TCLKLLTAAH SSGVNQRTCS GASPLYLACQ EGHLHLAQFL VKDCGADVRL RALDGMSSLH AAAAHGHYSL VVWLVTFTDI GLTARDNEGA TALHFAARGG HTPILDRLLL MGAPIMRDSW GGTPHDAAE NGHMECCQTL LSHHVDPFLR DEDGYTAIDL AEYHGHQDCA QFLREMSRPV RVLMTPPPPP FPPPPLLAAK LSLEEERRGD SGLKSPSSAT LSPVWPAQPV PREPMACTAP LRVTTPDALQ GPEVEARDSR AGLATLQLDG LPAGLDMLV PTQDERGRPI PEWKRQVMVR KLQARLGADH PPEDQDQSQR QDSGPTAAEQ ATWRYSQTHQ AILGPFCELL TEDDLVYLEK QINDLQLRRR CQEYESELGR LAAQLQALLP EPLVSITVNS HFLPRAPGLE DEEAPVLATE LEASEEPGKA EPRGQPLPFW CSHIGRLVRS MSLLKGMNG LAQGEEKPPS PVPQDLGKET IAGPSRSEAQ REIQECGVSV RTLRGNFEFA PDLPCALNSG PCELGVRPGQ CLRGCSWAPP QPRGDAMGGE PGPGDTEEAS DSGISCEEAP

Product Details

SEAGAGPGLD LASLRKERIV MLFLGHWKKS AYTPALRTAA CRTLEAQRAR SRGPEAAGSP
RPSSPQPSDG PRLGHLWQQR GIITHLLGTW KAIMAHVPAR QLRRLSRER GPLSPEQFLP
HVDGAPVPYN SLSLDFMLG YFQLLECDLP AEERKMRHLL CFEVFEHLGA HGWEAVRAFH
KAVTDEVAAG RRAWTDGFED IKARFFGSSQ GPPWDVEPGR KLGLTPLGSL PHASLPGSGP
EPAVPPRLGS DSQGSSFNSG DICGYIDRSF AFWKEKEAEM FNFGE **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: ESPNL

Alternative Name: Espnl ([ESP NL Products](#))

Background: Espin-like protein,FUNCTION: Binds to but does not cross-link actin. Required for the formation and maintenance of inner ear hair cell stereocilia and staircase formation. Essential for normal hearing. {ECO:0000269|PubMed:26926603}.

Target Details

Molecular Weight: 108.9 kDa

UniProt: [Q3UYR4](#)

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