

Datasheet for ABIN7555737
TECPR1 Protein (AA 1-1165) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TECPR1
Protein Characteristics:	AA 1-1165
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TECPR1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TECPR1 Protein expressed in mammalian cells.
Sequence:	MPNSVLWAVD LFGRVYTLST AGQYWEMCKD SQLEFKRVSA TTQCCWGIAC DNQVYVYVCA SDVPIRRREE AYENQRWNPM GGFCEKLLLS DRWGWSDVSG LQHRPLDRVA LPSPHWEWES DWYVDENFGG EPTEKGGWY AIDFPATYTK DKKWNSCVRR RKWIRYRRYK SRDIWAKIPS KDDPKELPDP FNDLSVGGWE ITEEPVGRLS VWAVSLQGKV WYREDVSHSN PEGSSWSLLD TPGEVVQISC GPHDLLWATL WEGQALVREG INRSNPKGSS WSIVEPPGSE NGVMHISVGV SVVWAVTKDW KWFRRGVNS HNPGTGWIE MVGEMTMVNV GMNDQVWIG CEDRAVYFRQ GVTPSELSGK TWKAIIAARE CDRSHSGSSS SLLSAGCFFG DEVRGSGESA PSDTDASSEV ERPGPGQILP AEPLDDSKNA TGNSASGLGA GRTAEDTVED ACPAEGSREA RPNTHPGPAP TPAELPWTNI DLKEAKKVPS HSAAGFPETT SLSSLGLLPL GLEEPYGVDD HPLWAWVSGG GCVVEACAMP RWFTVQAGLS SSVHMLSLSI TPAQTAAWRK QIFQQLTERT KRELENFRHY EQAVEQSVVW KTGALQWWCD WKPHKWVDVR LALEQFTGHD GVRDSILFIY YVHEEKKYI HIFLNEVVAL VPVLNETKHS FALYTPERTR QRWPVRLAAA TEQDMNDWLA LLSLSCCESR

Product Details

KVQGRPSPQA IWSITCKGDI FVSEPSPDLE AHEHPLPCDQ MFWRQMGGHL RMVEANSRGV
VWGIGYDHTA WVYTGYYGGG CFQGLASSTS NIYQSDVKC VHIYENQRWN PVTGYTSRGL
PTDRYMWSDA SGLQECTKAG TKPPSLQWAW VSDWFVDFSV PGGTDQEGWQ YASDFPASYH
GSKTMKDFVR RRCWARKCKL VTSGPWLEVP PIALRDVSII PESPGAEGSG HSIALWAVSD
KGDVLCRLGV SELNPAGSSW LHVGTDPFA SISIGACYQV WAVARDGSAF YRGSVYPSQP
AGDCWYHIPS PPRQLKQVS AGQTSVYALD ENGNLWYRQG ITPSYQQSS WEHVSNNVCR
VSVGPLDQVW VIANKVQGS SLSRGTVCHR TGVQPHEPKG HGWDYGIGGG WDHISVRANA
TRAPRSSSQE QEPSAPPEAH GPVCC **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: TECPR1

Alternative Name: TECPR1 ([TECPR1 Products](#))

Background: Tectonin beta-propeller repeat-containing protein 1,FUNCTION: Tethering factor involved in

Target Details

autophagy. Involved in autophagosome maturation by promoting the autophagosome fusion with lysosomes: acts by associating with both the ATG5-ATG12 conjugate and phosphatidylinositol-3-phosphate (PtdIns(3)P) present at the surface of autophagosomes. Also involved in selective autophagy against bacterial pathogens, by being required for phagophore/preautophagosomal structure biogenesis and maturation. {ECO:0000269|PubMed:21575909, ECO:0000269|PubMed:22342342}.

Molecular Weight: 129.7 kDa

UniProt: [Q7Z6L1](#)

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