

Datasheet for ABIN7561998
TTLL11 Protein (AA 1-727) (His tag)



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Overview

Quantity:	1 mg
Target:	TTLL11
Protein Characteristics:	AA 1-727
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TTLL11 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ttl11 Protein expressed in mammalian cells.
Sequence:	MRRSSPEKKP EAEWEADAAA AAAATAAATE SLPAETEKQQ GVDAGAAGDP ERLELEEQPK DVGRIPTPTR RHAPEEGEAR VVRRLLPALP LAQPRPAARA LSQLVKARGR SRSRVYRRSA GSMRPVTVDS SKARTSLDAL KISLRQLRWK EFPFGRRLPC DIYWHGVSFR DSDILSGQVN KFPGMTEMVR KVTLSRALRI MQNLFPEEYN FYPRSWILPE EFQLFVSQVQ TVKEGDPSWK PTFIVKPDSG CQGDGIYLIK DPCDGRLTGT LHNRPVVQE YIRKPLLDK LKFDIRLYVL LKSLDPLEIY IAKDGLSRFC TEPYQEPNPQ NLHHVFMHLT NYSLNIHSGK FVHSDSASTG SKRTFSSILC RLSSKGVDIK KVWSDIISLV IKTVIALTPE LKVFYQSDIP TGRPGPTCFQ ILGFDILLMK NLKPMLEVN ANPSMRIEHE YELSPGVFEN IPSLVDEEVK VAVIRDTLRL MDPLKKKKEI HFDPDIYMDRK HRIPVSDRM SSWKHKGSSL SIVRSQMEK SFTSKEDLNC DPTGGDSEPN PEAHLPSICL KQVFPKYAKQ FNYLRLVDRM ANLFIRFLGI KGTMKLGPTG FRTFIRNCKL SSSSLSMAAV DILYIDITRR WNSVTVDQRD SGMCLQAFVE AFFFLAQRKF KLQPLHEQVA SLIDLCEYHL SVLDEKRLLC HRGRPLQRNP PQMNRPEHSA TGSSAPRVIG ASKLSQS 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: TTLL11

Alternative Name: Ttl11 ([TTLL11 Products](#))

Background: Tubulin polyglutamylase TTLL11 (EC 6.3.2.-) (Tubulin--tyrosine ligase-like protein 11),FUNCTION: Polyglutamylase which modifies tubulin, generating polyglutamate side chains of variable lengths on the gamma-carboxyl group of specific glutamate residues within the C-terminal tail of tubulin (PubMed:17499049, PubMed:20530212). Preferentially mediates ATP-dependent polyglutamate long side-chain elongation over the initiation step of the polyglutamylation reaction (PubMed:17499049, PubMed:20530212). Preferentially modifies the alpha-tubulin tail over a beta-tail (PubMed:17499049). Required for CCSAP localization to both spindle and cilia microtubules (By similarity). Promotes tubulin polyglutamylation which

Target Details

stimulates spastin/SPAST-mediated microtubule severing, thereby regulating microtubule functions (PubMed:20530212). {ECO:0000250|UniProtKB:Q8NHH1, ECO:0000269|PubMed:17499049, ECO:0000269|PubMed:20530212}.

Molecular Weight: 82.4 kDa

UniProt: [A4Q9F4](#)

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