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Datasheet for ABIN7555849

TTLL5 Protein (AA 1-1281) (His tag)

Overview

Quantity:	1 mg
Target:	TTLL5
Protein Characteristics:	AA 1-1281
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TTLL5 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat TTLL5 Protein expressed in mammalien cells.
Sequence:	<p>MPIVMARDLE ETASSEDEE VISQEDHPCI MWTGGCRRIP VLVFHADAIL TKDNNIRVIG ERYHLSYKIV RTDSRLVRSI LTAHGFHEVH PSSTDYNLMW TGSHLKPFLI RTLSEAQKVN HFPRSYELTR KDRLYKNIIR MQHTHGFKAF HILPQTFLLP AEYAEFCNSY SKDRGPWIVK PVASSRGRGV YLINPNQIS LEENILVSRV INNPLIIDF KFDVRLVYLV TSYDPLVIYL YEEGLARFAT VRYDQGAKNI RNQFMHLTNY SVNKKSVDYV SCDDPEVEDY GNKWSMSAML RYLKQEGRDT TALMAHVEDL IIKTIISAEL AIATAACKTFV PHRSSCFELY GFDVLIDSTL KPWLLEVNLS PSLACDAPLD LKIKASMISD MFTVVGFCVQ DPAQRASTRP IYPTFESSRR NPFQKPQRCR PLSASDAEMK NLVGSAREKG PGKLGGSVLG LSMEEIKVLR RVKEENDRRG GFIRIFPTSE TWEIYGSYLE HKTSMNYMLA TRLFQDRMTA DGAPELKIES LNSKAKLHAA LYERKLLSLE VRKRRRRSSR LRAMRPKYPV ITQPAEMNVK TETESEEEEE VALDNEDEEQ EASQEEASGF LRENQAKYTP SLTALVENTP KENSMKVREW NNKGGHCCKL ETQELEPKFN</p>

LMQILQDNGN LSKMQARIAF SAYLQHVQIR LMKDSGGQTF SASWAAKEDE QMELVVRFLK
RASNNLQHSL RMVLPSSRLA LLERRRILAH QLGDFFIIVYN KETEQMAEKK SKKKVEEEEE
DGVNMENFQE FIRQASEAEL EEVLTFYTQK NKSASVFLGT HSKISKNNNN YSDSGAKGDH
PETIMEEVKI KPPKQQQTTE IHSDKLSRFT TSAEKEAKLV YSNSSSGPTA TLQKIPNTHL
SSVTTSDLSP GPCHHSSLSQ IPSAIPSMMPH QPTILLNTVS ASASPCLHPG AQNIPSPTGL
PRCRSGSHTI GPFSSFQSAH HIYSQKLSRP SSAKAGSCYL NKHHSGIAKT QKEGEDASLY
SKRYNQSMVT AELQRLAEKQ AARQYSPSSH INLLTQQVTN LNLATGIINR SSASAPPTLR
PIISPSGPTW STQSDPQAPE NHSSSPGSR S LQTGGFAWEG EVENNVYSQA TGVVPQHXYH
PTAGSYQLQF ALQQLQEQKL QSRQLLDQSR ARHQAIFGSQ TLPNSNLWMT NNGAGCRISS
ATASGQKPTT LPQKVVPPPS SCASLVPKPP PNHEQVLRRR TSQKASKGSS AEGQLNGLQS
SLNPAAFVPI TSSTDPAHTK | **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:

TLL5

Alternative Name:

TLL5 ([TLL5 Products](#))

Target Details

Background: Tubulin polyglutamylase TTLL5 (EC 6.3.2.-) (SRC1 and TIF2-associated modulatory protein) (STAMP protein) (Tubulin--tyrosine ligase-like protein 5),FUNCTION: Polyglutamylase which modifies tubulin, generating polyglutamate side chains on the gamma-carboxyl group of specific glutamate residues within the C-terminal tail of tubulin. Preferentially mediates ATP-dependent initiation step of the polyglutamylation reaction over the elongation step. Preferentially modifies the alpha-tubulin tail over a beta-tail (By similarity). Required for CCSAP localization to both polyglutamylated spindle and cilia microtubules (PubMed:22493317). Increases the effects of transcriptional coactivator NCOA2/TIF2 in glucocorticoid receptor-mediated repression and induction and in androgen receptor-mediated induction (PubMed:17116691). {ECO:0000250|UniProtKB:Q8CHB8, ECO:0000269|PubMed:17116691, ECO:0000269|PubMed:22493317}.

Molecular Weight: 143.6 kDa

UniProt: [Q6EMB2](#)

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