

Datasheet for ABIN7544820
TTL12 Protein (AA 1-644) (His tag)



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Overview

Quantity:	1 mg
Target:	TTL12
Protein Characteristics:	AA 1-644
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TTL12 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TTL12 Protein expressed in mammalian cells.
Sequence:	MEAERGPERR PAERSSPGQT PEEGAQALAE FAALHGPALR ASGVPERYWG RLLHKLEHEV FDAGEVFGIM QVEEVEEED EAAREVRKQQ PNPGNELCYK VIVTRESGLQ AAHPNSIFLI DHAWTCRVEH ARQQLQQVPG LLHRMANLMG IEFHGELPST EAVALVLEEM WKFNQTYQLA HGTAEKMPV WYIMDEFGRS IQHADVPSFA TAPFFYMPQQ VAYTLLWPLR DLDTGEEVTR DFAYGETDPL IRKCMLLPWA PTDMLDLSSC TPEPPAEHYQ AILEENKEKL PLDINPVVHP HGHIFKVYTD VQQVASSLTH PRFTLTQSEA DADILFNFSH FKDYRKLSQE RPGVLLNQFP CENLLTVKDC LASIARRAGG PEGPPWLPRF FNLRTLPQF VSYFQQRERW GEDNHWICKP WNLARSLDTH VTKSLHSIIR HRESTPKVVS KYIESPVFLF REDVGKVKFD IRYIVLLRSV RPLRLFVYDV FWLRFNSRAF ALNDLDDYEK HFTVMNYDPD VVLKQVHCEE FIPEFEKQYP EFPWTDVQAE IFRAFTELFQ VACAKPPPLG LCDYPSSRAM YAVDMLMKWD NGPDGRRVMQ PQILEVNFNP DCERACRYHP TFFNDVFSTL FLDQPGGCHV TCLV Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different

Product Details

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: TTL12

Alternative Name: TTL12 ([TTL12 Products](#))

Background: Tubulin-tyrosine ligase-like protein 12 (Inactive tubulin-tyrosine ligase-like protein 12),FUNCTION: Negatively regulates post-translational modifications of tubulin, including detyrosination of the C-terminus and polyglutamylation of glutamate residues (PubMed:20162578, PubMed:23251473). Also, indirectly promotes histone H4 trimethylation at 'Lys-20' (H4K20me3) (PubMed:23251473). Probably by controlling tubulin and/or histone H4 post-translational modifications, plays a role in mitosis and in maintaining chromosome number stability (PubMed:20162578, PubMed:23251473). During RNA virus-mediated infection, acts as a negative regulator of the RIG-I pathway by preventing MAVS binding to TBK1 and IKKε (PubMed:28011935). {ECO:0000269|PubMed:20162578,

Target Details

ECO:0000269|PubMed:23251473, ECO:0000269|PubMed:28011935}.

Molecular Weight: 74.4 kDa

UniProt: [Q14166](#)

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
