

Datasheet for ABIN7555762
TELO2 Protein (AA 1-837) (His tag)



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Overview

Quantity:	1 mg
Target:	TELO2
Protein Characteristics:	AA 1-837
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TELO2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat TELO2 Protein expressed in mammalien cells.
Sequence:	<p>MEPAPSEVRL AVREAIHALS SSEDGGHIFC TLESLKRYLG EMEPPALPRE KEEFASAHFS PVLRLCLASRL SPAWLELLPH GRLEELWASF FLEGPADQAF LVLMETIEGA AGPSFRLMKM ARLLARFLRE GRLAVLMEAQ CRQQTQPGFI LLRETLGKV VALPDHLGNR LQQENLAEFF PQNYFRLLGE EVVRVLQAVV DSLQGGLDSS VSFVSQVLGK ACVHGRQQEI LGVLVPRLAA LTQGSYLHQR VCWRLVEQVP DRAMEAVLTG LVEAALGPEV LSRLGNLVV KNKKAQFVMT QKLLFLQSRL TTPMLQSLLG HLAMDSQRRP LLLQVLKELL ETWGSSSAIR HTPLPQQRHV SKAVLICLAQ LGPELRDSR DELLASMMAG VKCRLDSSLP PVRRLGMIVA EVVSARIHPE GPPLKFQYEE DELSLELLAL ASPQPAGDGA SEAGTSLVPA TAEPPAETPA EIVDGGVPQA QLAGSDSDL SDDEFVPEYDM SGDRELKSSK APAYVRDCVE ALTTSEDIER WEAALRALEG LVYRSPTATR EVSVELAKVL LHLEEKTCVV GFAGLRQRAL VAVTVTDPAP VADYLTSQFY ALNYSRLRQRM DILDVLTAA QELSRPGCLG RTPQPGSPSP NTPCLPEAAV SQPGSAVASD</p>

Product Details

WRVVVEERIR SKTQRLSKGG PRQGPAGSPS RFNSVAGHFF FPLLQRFDRP LVTFDLLGED
QLVLGRLAHT LGALMCLAVN TTVAVAMGKA LLEFWALRF HIDAYVRQGL LSAVSSVLLS
LPAARLLEDL MDELLEARSW LADVAEKDPD EDCRTLALRA LLLLQRLKNR LLPPASP **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:

TELO2

Alternative Name:

TELO2 ([TELO2 Products](#))

Background:

Telomere length regulation protein TEL2 homolog (Protein clk-2 homolog) (hCLK2),FUNCTION: Regulator of the DNA damage response (DDR). Part of the TTT complex that is required to stabilize protein levels of the phosphatidylinositol 3-kinase-related protein kinase (PIKK) family proteins. The TTT complex is involved in the cellular resistance to DNA damage stresses, like ionizing radiation (IR), ultraviolet (UV) and mitomycin C (MMC). Together with the TTT complex and HSP90 may participate in the proper folding of newly synthesized PIKKs. Promotes assembly, stabilizes and maintains the activity of mTORC1 and mTORC2 complexes, which

Target Details

regulate cell growth and survival in response to nutrient and hormonal signals. May be involved in telomere length regulation. {ECO:0000269|PubMed:12670948, ECO:0000269|PubMed:20810650}.

Molecular Weight: 91.7 kDa

UniProt: [Q9Y4R8](#)

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