

Datasheet for ABIN7552144

WTX Protein (AA 1-1135) (His tag)



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Overview

Quantity:	1 mg
Target:	WTX (AMER1)
Protein Characteristics:	AA 1-1135
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WTX protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant AMER1 Protein expressed in mammalian cells.
Sequence:	<p>METQKDEAAQ AKGAAASGST REQTAKEGAK NKAEEATEGP TSEPSSSGPG RLKKTAMKLF</p> <p>GGKKGICTLP SFFGGGRSKG SGKGSSKKGL SKSKTHDGLS EAAHGPEDEVV SEGTGFSLLP</p> <p>PELPCQFPSS QSAHGALETG SRCKTSVAGA TEKAVAEKFP SMPKPKKGLK GFFSSIRHRH</p> <p>KSKVTGAEQS EPGAKGPerv RARPHEHVSS APQVPCFEET FQAPRKENAN PQDAPGPKVS</p> <p>PTPEPSPPAT EKMACKDPEK PMEACASAHV QPKPAPEASS LEEPHSPETG EKVVAGEVNP</p> <p>PNGPVGDPLS LLFGDVTSLK SFDSLTCGCD IIAEQDMDSM TDSMASGGQR ANRDGTRRSS</p> <p>CLVTYQGGGE EMALPDDDDDE EEEEEEEVEL EEEEEVKEE EEDDDLEYLW ETAQMYPRPN</p> <p>MNLGYHPTTS PGHHGYMLLD PVRYPGLAP GELLTPQSDQ QESAPNSDEG YYDSTTPGFE</p> <p>DDSGEALGLV RRDCLPRDSY SGDLYEFYE PDDSLNSPP GDDCLYDLHG RSSEMFDPFL</p> <p>NFEPFLSSRP PGAMETEEER LVTIQKQLLY WELRREQLEA QEARAREAHA REAHAREAYT</p> <p>REAYGREAYA REAHTWEAHG REARTREAQA REVRCRETQV RETQARQEKV VLEYQMRPLG</p> <p>PSVMGLAAGV SGTSQISHRG ITSAFPTTAS SEPDWRDFRP LEKRYEGTCS KKDQSTCLMQ</p>

LFQSDAMFEP DMQEANFGGS PRRAYPTYSP PEDPEEEVE KEGNATVSFS QALVEFTSNG
NLFSSMSCSS DSDSSFTQNL PELPPMVTFD IADVERDGEG KCEENPEFHN DEDLAASLEA
FELGYYHKHA FNNYHSRFYQ GLPWGVSSLP RYLGLPGLHP RPPPAAMALN RRSRSLDTAE
TLEMELNSH LVQGYLESDE LQAQQEDSDE EDEEEEEGEW SRDSPLSLYT EPPGAYDWPA
WAPCPLPVGP GPAWISPNQL DRPSSQSPYR QATCCIPPMT MSISLVPES RAPGESGPQL
ARPSHLHLP GPCYNLQPQA SQSMRARPRD VLLPVDEPSC SSSSGGFSPS PLPQAKPVGI
THGIPQLPRV RPEHPQPQPT HYGPSLDLS KERAQEGASL ATSYSSTAMN GNLAK **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	WTX (AMER1)
Alternative Name:	AMER1 (AMER1 Products)
Background:	APC membrane recruitment protein 1 (Amer1) (Protein FAM123B) (Wilms tumor gene on the X

Target Details

chromosome protein),FUNCTION: Regulator of the canonical Wnt signaling pathway. Acts by specifically binding phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2), translocating to the cell membrane and interacting with key regulators of the canonical Wnt signaling pathway, such as components of the beta-catenin destruction complex. Acts both as a positive and negative regulator of the Wnt signaling pathway, depending on the context: acts as a positive regulator by promoting LRP6 phosphorylation. Also acts as a negative regulator by acting as a scaffold protein for the beta-catenin destruction complex and promoting stabilization of Axin at the cell membrane. Promotes CTNNB1 ubiquitination and degradation. Involved in kidney development. {ECO:0000269|PubMed:17510365, ECO:0000269|PubMed:17925383, ECO:0000269|PubMed:19416806, ECO:0000269|PubMed:21304492, ECO:0000269|PubMed:21498506}.

Molecular Weight: 124.0 kDa

UniProt: [Q5JTC6](#)

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