

Datasheet for ABIN7555995
WAPAL Protein (AA 1-1190) (His tag)



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Overview

Quantity:	1 mg
Target:	WAPAL
Protein Characteristics:	AA 1-1190
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WAPAL protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant WAPL Protein expressed in mammalian cells.
Sequence:	<p>MTSRFGKTYS RKGNGSSKF DEVFSNKRTT LSTKWGETTF MAKLGQKRPN FKPDIQEIPK KPKVEEESTG DPFGFSDDE SLPVSSKNLA QVKCSSYSES SEAAQLEEVTV SVLEANSKIS HVVVEDTVVS DKCFPLEDTL LGKEKSTNRI VEDDASISSC NKLITSDKVE NFHEEHEKNS HHIHKNAADS TKKPAETTV ASEIKETNDT WNSQFGKRPE SPSEISPIKG SVRTGLFEWD NDFEDIRSED CILSLDSDPL LEMKDDDFKN RLENLNEAIE EDIVQSVLRP TNCRTYCRAN KTKSSQGASN FDKLMDGTSQ ALAKANSESS KDGLNQAQKG GVSCGTSFRG TVGRTRDYTV LHPSCLSVCN VTIQDTMERS MDEFTASTPA DLGEAGRLRK KADIATSKTT TRFRPSNTKS KKDVKLEFFG FEDHETGGDE GSGSSNYKI KYFGFDDLSE SEDDEDDDCQ VERKTSKRT KTAPSPSLQP PPESNDNSQD SQSGTNNAEN LDFTEDLPGV PESVKKPINK QGDKSKENTR KIFSGPKRSP TKAVYNARHW NHPDSEELPG PPVVKPQSVT VRLSSKEPNQ KDDGVFKAPA PPSKVIKTVT IPTQPYQDIV TALKCRREDK ELYTVVQHVK HFNDVVEFGE NQFTDDIEY LLSGLKSTQP LNTRCLSVIS LATKCAMPSF RMHLRAHGMV AMVFKTLDDS QHHQNLSTCT</p>

Product Details

AALMYILSRD RLNMDLDRAS LDLMIRLLEL EQDASSAKLL NEKDMNKIKE KIRRLCETVH
NKHLDLENIT TGHLAMETLL SLTSKRAGDW FKEELRLLGG LDHIVDKVKE CVDHLSRDED
EEKLVASLWG AERCLRVLES VTVHNPENQS YLIAYKDSQL IVSSAKALQH CEELIQQYNR
AEDSICLADS KPLPHQNVN HVGKAVEDCM RAIIGVLLNL TNDNEWGSTK TGEQDGLIGT
ALNCVLQVPK YLPQEQRFDI RVLGLGLLIN LVEYSARNRH CLVNMETSCS FDSSICSGEG
DDSLRIGGQV HAVQALVQLF LERERAAQLA ESKTDELIKD APTTQHDKSG EWQETSGEIQ
WVSTEKTDGT EEKHKKEEED EELDLNKALQ HAGKHMEDCI VASYTALLG CLCQESPINV
TTVREYLPEG DFSIMTEMLK KFLSFMNLTC AVGTTGQKSI SRVIEYLEHC **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: WAPAL

Alternative Name: WAPL ([WAPAL Products](#))

Target Details

Background:	Wings apart-like protein homolog (Friend of EBNA2 protein) (WAPL cohesin release factor),FUNCTION: Regulator of sister chromatid cohesion in mitosis which negatively regulates cohesin association with chromatin (PubMed:26299517). Involved in both sister chromatid cohesion during interphase and sister-chromatid resolution during early stages of mitosis. Couples DNA replication to sister chromatid cohesion. Cohesion ensures that chromosome partitioning is accurate in both meiotic and mitotic cells and plays an important role in DNA repair. {ECO:0000269 PubMed:15150110, ECO:0000269 PubMed:17112726, ECO:0000269 PubMed:17113138, ECO:0000269 PubMed:19696148, ECO:0000269 PubMed:19907496, ECO:0000269 PubMed:21111234, ECO:0000269 PubMed:23776203, ECO:0000269 PubMed:26299517}.
Molecular Weight:	132.9 kDa
UniProt:	Q7Z5K2
Pathways:	Chromatin Binding

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