

Datasheet for ABIN7556012
WFS1 Protein (AA 1-890) (His tag)



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Overview

Quantity:	1 mg
Target:	WFS1
Protein Characteristics:	AA 1-890
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WFS1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat WFS1 Protein expressed in mammalien cells.
Sequence:	MDSNTAPLGP SCPQPPAPQ PQARSRLNAT ASLEQERSER PRAPGPQAGP GPGVRDAAAP AEPQAQHTRS RERADGTGPT KGDMEIPFEE VLERAKAGDP KAQTEVGKHY LQLAGDTDEE LNSCTAVDWL VLAQKGRRE AVKLLRRCLA DRRGITSENE REVRQLSSET DLERAVRCAA LVMYWKLNPV KKKQVAVAE LENVGQVNEH DGGAQPGPVP KSLQKQRRML ERLVSSSEKN YIALDDFVEI TKKYAKGVIP SSLFLQDDED DDELAKGSPE DLPLRLKVVV YPLHAIMEIK EYLIDMASRA GMHWLSTIIP THHINALIFF FIVSNLTIDF FAFFIPLVIF YLSFISMVIC TLKVFQDSKA WENFRTLTDL LLRFEPNLV EQAEVNFQWN HLEPYAHFLL SVFFVIFSFP IASKDCIPCS ELAVITGFFT VTSYLSLSTH AEPYTRRALA TEVTAGLLSL LPSMPLNWPY LKVLGQTFIT VPVGHVVLN VSVPCLLYVY LLYLFFRMAQ LRNFKGTICY LVPYLVCFMW CELSVILLE STGLGLLRAS IGYFLFLFAL PILVAGLALV GVLQFARWFT SLELTKIAVT VAVCSVPLLL RWWTKASFSV VGMVKSLTRS SMVKLILVWL TAVLFCWFY VYRSEGMKVY NSTLTWQQYG

Product Details

ALCGPRAWKE TNMARTQILC SHLEGHRVTW TGRFKYVRVT DIDNSAESAI NMLPFFIGDW
MRCLYGEAYP ACSPGNTSTA EEELCRLKLL AKHPCHIKKF DRYKFEITVG MPFSSGADGS
RSREDDVTK DIVLRASSEF KSVLLSLRQG SLIEFSTILE GRLGSKWVPV ELKAISCLNC
MAQLSPTRRH VKIEHDWRST VHGAVKFAFD FFFFPFLSAA **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:

WFS1

Alternative Name:

WFS1 ([WFS1 Products](#))

Background:

Wolframin,FUNCTION: Participates in the regulation of cellular Ca(2+) homeostasis, at least partly, by modulating the filling state of the endoplasmic reticulum Ca(2+) store (PubMed:16989814). Negatively regulates the ER stress response and positively regulates the stability of V-ATPase subunits ATP6V1A and ATP1B1 by preventing their degradation through an unknown proteasome-independent mechanism (PubMed:23035048).
{ECO:0000269|PubMed:16989814, ECO:0000269|PubMed:23035048}.

Target Details

Molecular Weight:	100.3 kDa
UniProt:	O76024
Pathways:	Sensory Perception of Sound , Carbohydrate Homeostasis , ER-Nucleus Signaling , Negative Regulation of intrinsic apoptotic Signaling , SARS-CoV-2 Protein Interactome

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