

Product datasheet for **TP302901M**

WFS1 (NM_006005) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Homo sapiens Wolfram syndrome 1 (wolframin) (WFS1), transcript variant 1, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC202901 protein sequence
Red=Cloning site **Green**=Tags(s)

MDSNTAPLGPSCPQPPAPQPQARSRLNATASLEQERSERPRAPGPQAGPGPGVRDAAAPAEPQAQHTRS
RERADGTGPTKGDMEIPFEEVLERAKAGDPKAQTEVGKHYLQLAGDTDEELNSCTAVDWLVLAQKGRRE
AVKLLRRCLADRRGITSENEREVRQLSSETDLERAVRKAALVMYWKLNPKKKKQVAVAELLENVGQVNEH
DGGAQPGVPKSLQKQRRMLERLVSESSEKNYIALDDFVEITKKYAKGVIPSSLFLQDDEDDDELAKSPE
DLPLRLKVVKYPLHAIMEIKEYLIDMASRAGMHWLSTIIPTHHINALIFFFVSNLTIDFFAFFIPLVIF
YLSFISMVICTLKVFQDSKAWENFRTLTDLLRFEPNLDVEQAEVNFQWNHLEPYAHFLLSVFFVIFSFP
IASKDCIPCSELAVITGFFTTSYLSLSTHAEPYTRRALATEVTAGLLSLLPSMPLNWPYLKVLGQTFIT
VPVGHVLVLNVSVPCLLYVYLLYLFFRMAQLRNFKGTICYLVPYLVCFMWCESVWILLESTGLGLLRAS
IGYFLFLFALPILVAGLALVGVLFQFARWFTSLELTKIAVTAVCSVPLLLRWWTKASFVSGVMVKSLSRS
SMVKLILVWLTAVLFCWFYVYRSEGMKVYNSTLTWQQYGALCGPRAWKETNMARTQILCSHLEGHRVTW
TGRFKYVRVTDIDNSAESAINMLPFFIGDWMRCLYGEAYPACSPGNTSTAEELCRLKLLAKHPCHIKKF
DRYKFEITVGMFPSSGADGSRSEEDDVT KDIVLRASSEFKSVLLSLRQGS LIEFSTILEGRLGSKWPVF
ELKAISCLNCMAQLSPTRRHVKIEHDWRSTVHGAVKFAFDFFFFPFLSAA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 100.1 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

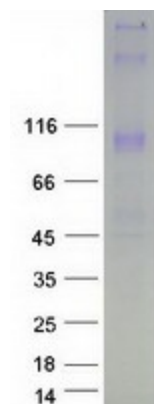
Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005996
Locus ID:	7466
UniProt ID:	Q76024
RefSeq Size:	3640
Cytogenetics:	4p16.1
RefSeq ORF:	2670
Synonyms:	CTRCT41; WFRS; WFS; WFSL
Summary:	This gene encodes a transmembrane protein, which is located primarily in the endoplasmic reticulum and ubiquitously expressed with highest levels in brain, pancreas, heart, and insulinoma beta-cell lines. Mutations in this gene are associated with Wolfram syndrome, also called DIDMOAD (Diabetes Insipidus, Diabetes Mellitus, Optic Atrophy, and Deafness), an autosomal recessive disorder. The disease affects the brain and central nervous system. Mutations in this gene can also cause autosomal dominant deafness 6 (DFNA6), also known as DFNA14 or DFNA38. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2009]
Protein Families:	Druggable Genome, Transmembrane

Product images:



Coomassie blue staining of purified WFS1 protein (Cat# [TP302901]). The protein was produced from HEK293T cells transfected with WFS1 cDNA clone (Cat# [RC202901]) using MegaTran 2.0 (Cat# [TT210002]).