

Product datasheet for TP327925M

WFS1 (NM_001145853) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Homo sapiens Wolfram syndrome 1 (wolframin) (WFS1), transcript variant 2, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC227925 protein sequence
Red=Cloning site Green=Tags(s)

MDSNTAPLGPSCPQPPAPQPQARSRLNATASLEQERSERPRAPGPQAGPGPGVRDAAAPAEPQAQHTRS
RERADGTGPTKGDMEIPFEEVLERAKAGDPKAQTEVGKHYLQLAGDTDEELNSCTAVDWLVLAQGRRE
AVKLLRRCLADRRGITSENEREVRQLSSETDLERAVRKAALVMYWKLNPKKKKQVAVAELLENVGVNEH
DGGAGPVPKSLQKQRRMLERLVSESKNYIALDDFVEITKKYAKGVIPSSLFLQDDEDDDELAKSPE
DLPLRLKVVKYPLHAIMEIKEYLIDMASRAGMHWLSTIIPTHHINALIFFFVSNLTIIDFAFFIPLVIF
YLSFISMVICTLKVFQDSKAWENFRTLTDLLRFEPNLDVEQAEVNFQWVHLEPYAHFLLSVFFVIFSP
IASKDCIPCSELAVITGFFVTSYLSLSTHAEPYTRRALATEVTAGLLSLLSPMLNWPYLKVLGQTFIT
VPVGHVLLNVSVPCLLYVYLLYLFFRMAQLRNFKGTICYLVPYLVCFMWCELSVILLESTGLGLLRAS
IGYFLFLFALPILVAGLALVGVLFQFARWFTSLELTKIAVTVAVCSVPLLRWWTAKSFSVGMVKSLSLRS
SMVKLILVWLTAVLFCWFYVYRSEGMMKVNSTLTWQQYGALCGPRAWKETNMARTQILCSHLEGHRVTW
TGRFKYVRVTDIDNSAESAINMLPFFIGDWMRCLYGEAYPACSPGNTSTAEELCRLKLLAKHPCHIKKF
DRYKFEITVGMFPSSGADGSRSEEDDVTKDIVLRASSEFKSVLLSLRQGSLLIEFSTILEGRLGSKWPVF
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_001139325](#)

Locus ID: 7466

UniProt ID: [O76024](#), [A0A0S2Z4V6](#)

RefSeq Size: 3636

Cytogenetics: 4p16.1

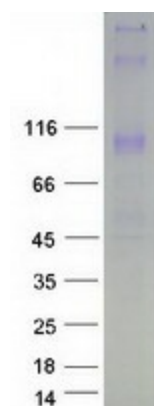
RefSeq ORF: 2670

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# [TP327925]). The protein was produced from HEK293T cells transfected with WFS1 cDNA clone (Cat# [RC227925]) using MegaTran 2.0 (Cat# [TT210002]).