

Product datasheet for **TP314215M**

OPHN1 (NM_002547) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human oligophrenin 1 (OPHN1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214215 representing NM_002547 Red =Cloning site Green =Tags(s)

MGHPPLEFSDCYLDSPDFRERLKCYEQELERTNKFIDKVIKDGNALISAMRNYSSAVQKFSQTLQSFQFD
FIGDTLTDDEINIAESFKEFAELLNEVENERMMMVMHNASDLLIKPLENFRKEQIGFTKERKKKFEKDGER
FYSLLDRHLHLSSKKKESQLQEADLQVDKERHNFESSLDYVYQIQEVQESKKFNIVEPVLAFHLHLFIS
NSLTVELTQDFLPYKQQLQLSLQNTRNHFSSSTREEMEELKKRMKEAPQTCKLPQGPTIEGYLYTQEKWAL
GISWVKYYCQYEKETKTLTMTPEQKPGAKQGPLDCLKYCVRRKTESIDKRFCFDIETNERPGTITLQA
LSEANRRLLWMEAMDGKEPIYHSPITKQEMELNEVGFKFVRKCINIIETKGKTEGLYRTVGSNIQVQKL
LNAFFDPKCPGDVDFHNSDWDIKTITSSLKFYLRNLSEPVMTYRLHKELVSAAKSDNLDYRLGAIHSLVY
KLPEKNREMLELLIRHLNVCEHSKENLMTPSNMGVIFGPTLMRAQEDTVAAMMNIFQNIIVVEILIEHF
GKIYLGPPPEESAAPPVPPPRVTARRHKPITISKRLLRERTVFYTTSSLDESEDEIQHQTNGTITSSIEPP
KPPQHPKLPKIQRSGETDPGRKSPSRPILDGKLEPCPEVDVGKLVSRQDGGTKITPKATNGPMPGSGPTK
TPSFHIKRPAPRPLAHHKEGDADSFKVRPPGEKPTIIRPPVRPPDPPCRAATPQKPEPKPDIVAGNAGE
ITSSVASRTRFFETASRKTGSSQGRLPGDES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

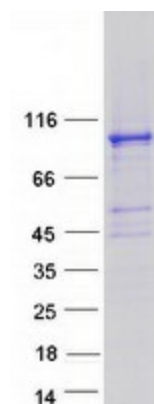
Tag:	C-Myc/DDK
Predicted MW:	91.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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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_002538
Locus ID:	4983
UniProt ID:	O60890
RefSeq Size:	7350
Cytogenetics:	Xq12
RefSeq ORF:	2406
Synonyms:	ARHGAP41; MRX60; OPN1
Summary:	This gene encodes a Rho-GTPase-activating protein that promotes GTP hydrolysis of Rho subfamily members. Rho proteins are important mediators of intracellular signal transduction, which affects cell migration and cell morphogenesis. Mutations in this gene are responsible for OPHN1-related X-linked cognitive disability with cerebellar hypoplasia and distinctive facial dysmorphism. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified OPHN1 protein (Cat# [TP314215]). The protein was produced from HEK293T cells transfected with OPHN1 cDNA clone (Cat# [RC214215]) using MegaTran 2.0 (Cat# [TT210002]).