

Product datasheet for TP510737

Ophn1 (NM_052976) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse oligophrenin 1 (Ophn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210737 representing NM_052976 Red =Cloning site Green =Tags(s)

MGHPPLEFSDCYLDSPDFRQRLKYEEELERTNKFIDKVIKDGSAISAMRNYSSAVQKFSQTLQSFQFD
FIGDTLTDDEINIAESFKEFAELLNEVENERMMMVMQNASDLLIKPLETFRKEQIGFTKERKKKFEKDGER
FYSLLDRHLHLSSKKKESQLLEADLQVDKERHNFESSLDYVYQIQEVQESKKFNIVEPVLAFHLHLFIS
NSLTVELTQDFLPYKQQLQLSLQNTRNHFSSTREEMEELKKRMKEAPQTCKLPGQPTIEGYLYTQEKWAL
GISWAKYYCRYEKETRMLTMIPMEQKPGAKQGPVDLTLYCVRRKTESIDKRFCFIETNERPGTITLQA
PSEANRRLWMEAMDGKEPIYHTPITKQEEMELNEVGFKFVRKCINFIETKGIKTEGLYRTVGSNIQVQKL
LYAFFDPKCPGDVDFHNSDWDIKTITSSLKFYLRNLSEPVMYKLHKELVSAAKSDNLDYRLGAIHSLVY
KLPEKNREMLELLIKHLVNVCEHSKENLMTSPNMGVIFGPTLMRAQEDTVAAMMNIFQNIIVVEILIEHF
GKIYLGPPEDSQVPPVPPPRVTARRHKPITISKRLREKTVFYTSSLDENKDESHHQTTPNGTITSNLDPP
KLLQHLKPPMQKSGETDPGRKSPSRVSDCQSEPCLETDVGRLLFRLQDGGTKATPKASNGPVPVPGSGHT
K
TSSFHIRRPAPRPMMAHHEGDTDGFSKVRPPGEKQTIIRPPVRPPDPPCRSITPQKPEPKPETGSGNADE
IPSSVVASRTRFFETASRKTGSSQGKLPGDES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	92.4 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
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 after receiving vials.
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:	<u>NP_443208</u>
Locus ID:	94190
UniProt ID:	<u>Q99J31</u>
RefSeq Size:	3932
Cytogenetics:	X C3
RefSeq ORF:	2406
Synonyms:	C130037N19Rik; Wtgr
Summary:	Stimulates GTP hydrolysis of members of the Rho family. Its action on RHOA activity and signaling is implicated in growth and stabilization of dendritic spines, and therefore in synaptic function. Critical for the stabilization of AMPA receptors at postsynaptic sites. Critical for the regulation of synaptic vesicle endocytosis at presynaptic terminals (By similarity). Required for the localization of NR1D1 to dendrites, can suppress its repressor activity and protect it from proteasomal degradation.[UniProtKB/Swiss-Prot Function]