Recombinant Mouse Ophn1 Protein, Myc/DDK-tagged

Cat. No. Ophn1-4594M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length oligophrenin 1 (Ophn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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. Required for the localization of NR1D1 to dendrites, can suppress its repressor activity and protect it from proteasomal degradation.
Molecular Mass	92.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Ophn1 oligophrenin 1 [Mus musculus (house mouse)]
Official Symbol	Ophn1
Synonyms	OPHN1; oligophrenin 1; oligophrenin-1; MGC6513; C130037N19Rik
Gene ID	94190
mRNA Refseq	NM_052976
Protein Refseq	NP_443208
UniProt ID	Q99J31

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