

Product datasheet for PH314215

OPHN1 (NM_002547) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	OPHN1 MS Standard C13 and N15-labeled recombinant protein (NP_002538)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214215
Predicted MW:	91.5 kDa
Protein Sequence:	>RC214215 representing NM_002547 Red =Cloning site Green =Tags(s)

MGHPPLEFSDCYLDSPDFRERLKCQEELERTNKFIDKVDKGNALISAMRNYSSAVQKFSQTLQSFQFD
 FIGDTLTDDIEINIAESFKEFAELLNEVENRMMVHNASDLLIKPLENFRKEQIGFTKERKKKFEKDGER
 FYSLDRHLHLSSKKKESQLQEADLQVDERHNFFESSLDYVYQIQEVQESKKFNIVEPVLAFHLHSLFIS
 NSLTVELTQDFLPYKQQLQLSLQNRNHFSSSTREEMEELKKRMKEAPQTCKLPGQPTIEGYLYTQEKWAL
 GISWVKYCYQYKTKTLTMTPEQKPGAKQGPLDLTLKYCVRRKTESIDKRFCFDIETNERPGTITLQA
 LSEANRRLWMEAMDGKEPIYHSPITKQQEMELNEVGKFKVRKCINIIETGKIKTEGLYRTVGSNIQVQKL
 LNAFFDPKCPGDVDFHNSDWDIKTITSSLKFYLRNLSEPVMTYRLHKELVSAAKSDNLDYRLGAIHSLVY
 KLPEKNREMLELLIRHLVNVCEHSKENLMTSPNMGVIFGPTLMRAQEDTVAAMNLIKFNIVVEILIEHF
 GKIYLGPPPEESAAPPVPPPRVTARRHKPITISKRLLRERTVFYTSSEDEIQQHQTPTNGTITSSIEPP
 KPPQHPKLPPIQRSGETDPRKSPSRPILDGKLEPCPEVDVGKLVSRQLQDGGTKITPKATNGPMPSGPTK
 TPSFHIKRPAPRPLAHHKEGDADFSKVRPPGEKPTIIRPPVRPPDPPCRAATPQKPEPKPDIVAGNAGE
 ITSSVVASRTRFFETASRKTGSSQGRLPGDES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002538


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RefSeq Size: 7350

RefSeq ORF: 2406

Synonyms: ARHGAP41; MRX60; OPN1

Locus ID: 4983

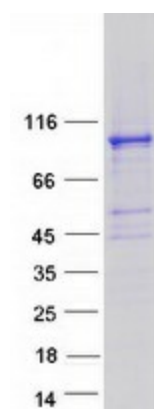
UniProt ID: [O60890](#)

Cytogenetics: Xq12

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 OPN1 protein (Cat# [TP314215]). The protein was produced from HEK293T cells transfected with OPN1 cDNA clone (Cat# [RC214215]) using MegaTran 2.0 (Cat# [TT210002]).