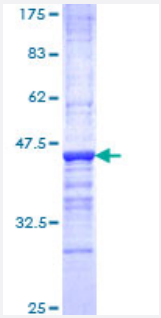
OPHN1 (Human) Recombinant Protein (Q01)

Catalog # H00004983-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human OPHN1 partial ORF (NP_002538, 641 a.a. - 734 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	QRSGETDPGRKSPSRPILDGKLEPCPEVDVGKLVSRLQDGGTKITPKATNGPMPGSGPTKTPSF HIKRPAPRPLAHHKEGDADSFSKVRPPGEK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.08
Interspecies Antigen Sequence	Mouse (79); Rat (78)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — OPHN1

Entrez GeneID	4983
GeneBank Accession#	NM_002547
Protein Accession#	NP_002538
Gene Name	OPHN1
Gene Alias	MRX60, OPN1
Gene Description	oligophrenin 1
Omim ID	300127 300486
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a Rho-GTPase-activating protein that promotes GTP hydrolysis of Rho subfa mily members. Rho proteins are important mediators of intracellular signal transduction, which aff ects cell migration and cell morphogenesis. Mutations in this gene are responsible for OPHN1-rel ated X-linked mental retardation with cerebellar hypoplasia and distinctive facial dysmorhphism. [provided by RefSeq
Other Designations	OTTHUMP00000023451|mental retardation, X-linked 60|oligophrenin-1, Rho-GTPase activating protein

Disease

- Angina Pectoris
- Cerebellar Diseases
- Coronary Vasospasm

- Facial Asymmetry
- Genetic Predisposition to Disease
- Mental Retardation
- Nervous System Malformations