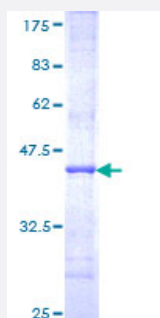


DIAPH1 (Human) Recombinant Protein (Q01)

Catalog # H00001729-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DIAPH1 partial ORF (NP_005210, 921 a.a. - 1024 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	QFSEQVENIKPEIVSVTAACEELRKSESFSNLEITLLVGNYMNAGSRNAGAFGFNISFLCKLRDTK STDQKMTLLHFLAELCENDYPDVLKFPDELAHVEKAS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.18
Interspecies Antigen Sequence	Mouse (94); Rat (94)
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 — DIAPH1

Entrez GeneID	1729
GeneBank Accession#	NM_005219
Protein Accession#	NP_005210
Gene Name	DIAPH1
Gene Alias	DFNA1, DIA1, DRF1, FLJ25265, LFHL1, hDIA1
Gene Description	diaphanous homolog 1 (Drosophila)
Omim ID	124900 602121
Gene Ontology	Hyperlink
Gene Summary	This gene is a homolog of the Drosophila diaphanous gene, and has been linked to autosomal dominant, fully penetrant, nonsyndromic sensorineural progressive low-frequency hearing loss. Actin polymerization involves proteins known to interact with diaphanous protein in Drosophila and mouse. It has therefore been speculated that this gene may have a role in the regulation of actin polymerization in hair cells of the inner ear. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000195047 OTTHUMP00000195048 diaphanous 1 diaphanous-1 diaphanous-related formin 1

Pathway

- [Focal adhesion](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Celiac Disease](#)
- [Genetic Predisposition to Disease](#)