Recombinant Human DIAPH1 Protein, GST-tagged

Cat. No. DIAPH1-2621H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DIAPH1 partial ORF (NP_005210, 921 a.a. - 1024 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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, Jul 2008]
Molecular Mass	37.18 kDa
AA Sequence	QFSEQVENIKPEIVSVTAACEELRKSESFSNLLEITLLVGNYMNAGSRNAGAFGFNIS FLCKLRDTKSTDQKMTLLHFLAELCENDYPDVLKFPDELAHVEKAS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DIAPH1 diaphanous homolog 1 (Drosophila) [Homo sapiens]
Official Symbol	DIAPH1
Synonyms	DIAPH1; diaphanous homolog 1 (Drosophila); DFNA1, diaphanous (Drosophila, homolog) 1; protein diaphanous homolog 1; hDIA1; LFHL1; diaphanous-related formin 1; diaphanous-related formin-1; DIA1; DRF1; DFNA1; FLJ25265;
Gene ID	1729
mRNA Refseq	NM_001079812
Protein Refseq	NP_001073280
MIM	602121
UniProt ID	O60610

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