

Recombinant Full Length Human DENND1B Protein, GST-tagged

Cat. No. DENND1B-2460HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DENND1B full-length ORF (NP_659414.1, 1 a.a. - 396 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	396 amino acids
Description	Clathrin (see MIM 118955)-mediated endocytosis is a major mechanism for internalization of proteins and lipids. Members of the connectin family, such as DENND1B, function as guanine nucleotide exchange factors (GEFs) for the early endosomal small GTPase RAB35 (MIM 604199) and bind to clathrin and clathrin adaptor protein-2 (AP2; see MIM 601024). Thus, connectins link RAB35 activation with the clathrin machinery (Marat and McPherson, 2010 [PubMed 20154091]).[supplied by OMIM, Nov 2010]
Molecular Mass	71.4 kDa
AA Sequence	MAAAPREEKRWPQPVFVSNPVVLWKFPEDFGDQEILQSVPKFCFPFDVERVSQNQV GQHFTFVLTDIESKQRFQFCRLTSGGTICLCILSYLPWFVYYKLLNTLADYLAKELN DLNETLRLSLYNHPVPKANTPVNLSVHSYFIAPDVTGLPTIPESRNLTEYFVAVDVNNM LQLYASMLHERRIVISSKLSTLTACIHGSAALLYPMYWQHIYIPVLPPHLLDYCCAPM PYLIGIHSSLIERVKNKSLEDVVMNVDNTNTLESPFSDLNNLPDVSALKNKLKKQST

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	ATGDGVARAFLRAQAALFGYYRDALRYKPGEPITFCEESFVKHRSSVMKQFLETAIN LQLFKQFIDGRLAKLNAGRGFSDVFEEEITSGGFCGGKDKLQDYDYPFSQ
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
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	DENND1B DENN/MADD domain containing 1B [Homo sapiens]
Official Symbol	DENND1B
Synonyms	DENND1B; DENN/MADD domain containing 1B; C1orf218, chromosome 1 open reading frame 218 , FAM31B, family with sequence similarity 31, member B; DENN domain-containing protein 1B; FLJ20054; MGC27044; connecdenn 2; family with sequence similarity 31, member B; FAM31B; C1ORF18; C1orf218; RP11-53I24.2; FLJ21179; FLJ33888; MGC103810; DKFZp547O0715;
Gene ID	163486
mRNA Refseq	NM_001195215
Protein Refseq	NP_001182144

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MIM	613292
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UniProt ID	Q6P3S1
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