

Recombinant Full Length Human DENND1A Protein, GST-tagged

Cat. No. DENND1A-2459HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DENND1A full-length ORF (NP_079096.2, 1 a.a. - 559 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	559 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 DENND1A, 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	89.8 kDa
AA Sequence	MGSRIKQNPETTFEVYVEVAYPRTGGTLSDPEVQRQFPEDYSDQEVLTQTLTKFCFP FYVDSLTVSQVGQNFTFVLTDIDSKQRFGFCRLSSGAKSCFCILSYLPWFYFYKLLN ILADYTTKRQENQWNELLETLHKLPIDPGVSVHLSVHSYFTVPDTRGPSIPENRNL TEYFVAVDVNNMLHLYASMLYERRILIICSKLSTLTACIHGSAAMLYPMYWQHVIYIPVL PPHLLDYCCAPMPYLGIIHLSLMEKVRNMLDDVVILNVDNTNTLETDFDLQSLPNDV

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ISSLKNRLKKVSTTTGDGVARAFLKAQAFFGSYRNALKIEPEEPITFCEEAFVSHYR
SGAMRQFLQNATQLQLFKQFIDGRDLLNSGEGFSDVFEEEINMGEYAGSDKLYHQ
WLSTVRKGS GAILNTVKT KANPAMKTVYKFAKD HAKMGIKEVKNRLKQKDIAENGCA
PTPEEQLPKTAPSPLVEAKDPKLREDRRPITVHFGQVRPPRPHVVKRPKSNIAVEGR
RTSVPSPEQNTIATPATLHILQKSITHFAAKFPTRGWTSSSH

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

DENND1A DENN/MADD domain containing 1A [Homo sapiens]

Official Symbol

DENND1A

Synonyms

FAM31A; KIAA1608; RP11-230L22.3

Gene ID

57706

mRNA Refseq

NM_024820.2

Protein Refseq

NP_079096.2

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MIM	613633
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UniProt ID	Q8TEH3
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