

Recombinant Human UNC13D, His-tagged

Cat. No. UNC13D-28544TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 861-1090 of Human Munc 13-4 with a N terminal His tag; 34 kDa.
Species	Human
Source	E.coli
ProteinLength	861-1090 a.a.
Description	This gene encodes a protein that is a member of the UNC13 family, containing similar domain structure as other family members but lacking an N-terminal phorbol ester-binding C1 domain present in other Munc13 proteins. The protein appears to play a role in vesicle maturation during exocytosis and is involved in regulation of cytolytic granules secretion. Mutations in this gene are associated with familial hemophagocytic lymphohistiocytosis type 3, a genetically heterogeneous, rare autosomal recessive disorder.
Conjugation	HIS
Tissue specificity	Expressed at high levels in spleen, thymus and leukocytes. Also expressed in lung and placenta, and at very low levels in brain, heart, skeletal muscle and kidney. Expressed in cytotoxic T-lymphocytes (CTL) and mast cells.
Form	Lyophilised:Reconstitution with 146 µl aqua dest.

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Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	GCGLPPKALHTATFQALQRDLELQAASSRELIRKYFCSRI QQQAETTSEELGAVTVK ASYRASEQKLRVELLSASSLL PLDSNGSSDPFVQLTLEPRHEFPELAARETQKHKK DLH PLFDETFEFLVPAEPCRKAGACLLLTVDYDTLGADDLEG EAFLPLREVPGLSG SEEPGEVPQTRLPLTYPAPNGDPI LQLLEGRKGDREAQVFVRLRRHRAKQASQHAL RPAP
Sequence Similarities	Belongs to the unc-13 family.Contains 2 C2 domains.Contains 1 MHD1 (MUNC13 homology domain 1) domain.Contains 1 MHD2 (MUNC13 homology domain 2) domain.

GENE INFORMATION

Gene Name	UNC13D unc-13 homolog D (C. elegans) [Homo sapiens]
Official Symbol	UNC13D
Synonyms	UNC13D; unc-13 homolog D (C. elegans); protein unc-13 homolog D; Munc13 4;
Gene ID	201294
mRNA Refseq	NM_199242
Protein Refseq	NP_954712
MIM	608897

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Uniprot ID	Q70J99
Chromosome Location	17q25.3
Function	protein binding;

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