

Recombinant Human UNC5B, Fc-tagged

Cat. No. UNC5B-31670TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human UNC5B fused at the C terminus to the Fc portion of Human IgG1; mwt: 80 kDa by SDS PAGE.
Species	Human
Source	HEK293
ProteinLength	336 amino acids
Description	This gene encodes a member of the netrin family of receptors. This particular protein mediates the repulsive effect of netrin-1 and is a vascular netrin receptor. This encoded protein is also in a group of proteins called dependence receptors (DpRs) which are involved in pro- and anti-apoptotic processes. Many DpRs are involved in embryogenesis and in cancer progression. Two alternatively spliced transcript variants have been described for this gene.
Conjugation	Fc
Molecular Weight	80.000kDa
Tissue specificity	Highly expressed in brain. Also expressed at lower level in developing lung, cartilage, kidney and hematopoietic and immune tissues.
Biological activity	Binds to Mouse and Human Netrin 1.

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Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: PBS
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Belongs to the unc-5 family. Contains 1 death domain. Contains 1 Ig-like (immunoglobulin-like) domain. Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 2 TSP type-1 domains. Contains 1 ZU5 domain.

GENE INFORMATION

Gene Name	UNC5B unc-5 homolog B (C. elegans) [Homo sapiens]
Official Symbol	UNC5B
Synonyms	UNC5B; unc-5 homolog B (C. elegans); unc5 (C.elegans homolog) b; netrin receptor UNC5B; p53RDL1; UNC5H2;
Gene ID	219699
mRNA Refseq	NM_001244889
Protein Refseq	NP_001231818
MIM	607870
Uniprot ID	Q8IZJ1

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Chromosome Location	10q22.2
Pathway	Apoptosis, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem;
Function	netrin receptor activity; protein binding; receptor activity;

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