

Recombinant Human UNC13B

Catalog No: #GP12589



Package Size: #GP12589-1 100ug

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Description

Product Name	Recombinant Human UNC13B
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 1411-1610 amino acids of human UNC13B
Target Name	unc-13 homolog B (C. elegans)
Other Names	UNC13; MUNC13; Unc13h2
Accession No.	Swissprot:O14795Gene Accession:BC111781
Uniprot	O14795
GeneID	10497;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene is expressed in the kidney cortical epithelial cells and is upregulated by hyperglycemia. The encoded protein shares a high level of similarity to the rat homolog, and contains 3 C2 domains and a diacylglycerol-binding C1 domain. Hyperglycemia increases the levels of diacylglycerol, which has been shown to induce apoptosis in cells transfected with this gene and thus contribute to the renal cell complications of hyperglycemia. Studies in other species also indicate a role for this protein in the priming step of synaptic vesicle exocytosis.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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