

Product datasheet

Recombinant Human UNC5C protein ab160125

1 Image

Overview

Product name	Recombinant Human UNC5C protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Sequence	IKVYNTSGAVTPQDDLSEFTSKLSPQMTQSLLENEALS LKNQSLARQTDP SCTAFGSFNSLGGHLVPNSGVSLIPAGAIQGRVYE MYTVHRKETMR
Amino acids	498 to 597
Tags	proprietary tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab160125** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA Western blot
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

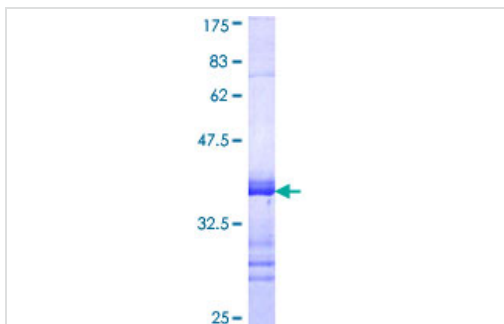
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function	Receptor for netrin required for axon guidance. Mediates axon repulsion of neuronal growth cones in the developing nervous system upon ligand binding. Axon repulsion in growth cones may be caused by its association with DCC that may trigger signaling for repulsion. Also involved in corticospinal tract axon guidances independently of DCC. It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand.
Tissue specificity	Mainly expressed in brain. Also expressed in kidney. Not expressed in developing or adult lung.
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.
Post-translational modifications	Phosphorylated on different cytoplasmic tyrosine residues. Phosphorylation of Tyr-568 leads to an interaction with PTPN11 phosphatase, suggesting that its activity is regulated by phosphorylation/dephosphorylation. Tyrosine phosphorylation is netrin-dependent. Proteolytically cleaved by caspases during apoptosis. The cleavage does not take place when the receptor is associated with netrin ligand. Its cleavage by caspases is required to induce apoptosis.
Cellular localization	Membrane.

Images



SDS-PAGE - Recombinant Human UNC5C protein
(ab160125)

ab160125 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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