

Recombinant Rat UNC5H2/UNC5B protein

Catalog Number: ATGP3950

PRODUCT INFORMATION

Expression system

HEK293

Domain

27-373aa

UniProt No.

O08722

NCBI Accession No.

NP_071543

Alternative Names

unc-5 netrin receptor B, Unc5h2, unc-5 homolog 2, Protein unc-5 homolog B, netrin receptor UNC5B precursor, netrin receptor UNC5B, protein unc-5 homolog 2, unc5b

PRODUCT SPECIFICATION

Molecular Weight

66.0kDa (590aa)

Concentration

0.25mg/ml (determined by Absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

hIgG-His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

UNC5B/UNC5B, also known as Netrin receptor UNC5B, is one of four related receptors that comprise the UNC5 family and serve as receptors for the axon guidance molecule Netrin-1. Outside of the nervous system, UNC5B facilitates Netrin-1-mediated inhibition of capillary branching and leukocyte migration, as well as Netrin-1-

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mediated promotion of osteoclast differentiation. Also this protein activates DAPK1 which mediates apoptosis. It is believed to play a role in tumorigenesis. Additionally, It is thought to play a critical role in the development of atherosclerosis and the survival of renal tubular epithelial cells during acute kidney injury. Recombinant Rat UNC5B/UNC5B, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.

Amino acid Sequence

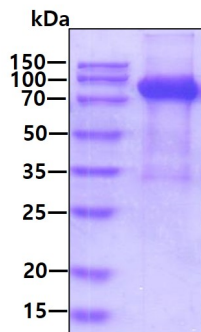
<DGSM>GIDSGG QALPDSFPSA PAEQLPHFLL EPEDAYIVKN KPVELHCRAF PATQIYFKCN GEWVSQKGHV TQESLDEATG LRIREVQIEV SRQQVEELFG LEDYWCQCVA WSSSGTTKSR RAYIRIAYLR KNFDQEPLAK EVPLDHEVLL QCRPPEGVPV AEVEWLKNEID VIDPAQDTNF LLTIDHNLII RQARLSDTAN YTCVAKNIVA KRRSTTATVI VYVNGGWSSW AEWSPCSNRC GRGWQKRTRT CTNPAPLNGG AFCEGQACQK TACTTVCPVD GAWTEWSKWS ACSTECAHWR SRECMAPPPQ NGGRDCSGTL LDSKNCTDGL CVLNQRTLND PKSRPLEPSG D<VEPKSCDKT HTCPPCPAPE LLGGPSVFLF PPKPKDTLMI SRTPEVTCVV VDVSHEDPEV KFNWYVDGVE VHNAKTKPRE EQYNSTYRVV SVLTVLHQDW LNGKEYKCKV SNKALPAPIE KTISKAKGQP REPQVYTLPP SRDELTKNQV SLTCLVKGFY PSDIAVEWES NGQPENNYKT TPPVLDSGDS FFLYSKLTVD KSRWQQGNVF SCSVMHEALH NHYTQKSLSL SPGKHHHHHH>

General References

- Bhat SA, et al, (2019) J Cell Commun Signal. 13:121-127.
Mediero A, et al, (2016) FASEB J. 30:3835-3844.
Liu J, et al, (2013) Tumour Biol. 34:2099-2108.

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain