

Recombinant Human PLXNC1 Protein, His-tagged

Cat. No. PLXNC1-005H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human PLXNC1 Protein with His tag was expressed in E. coli.

Species Human

Source E.coli

Description Plexins are a family of large, transmembrane receptors for multiple classes of semaphorins in vertebrates. Plexins are widely expressed, and regions of their extracellular domain are homologous to both scatter factor receptors and semaphorin domains. Plexins may act as semaphorin receptors alone or in combination with neuropilins. Plexins are divided into four subfamilies designated plexin-A, -B, -C, and -D. Drosophila plexin-A is a receptor for class I semaphorins and controls motor and axon guidance. Plexin-A3 mediates cell-repelling cues. Plexins B and C are receptors for Sema 4 and Sema 7, respectively.

Molecular Mass ~110 kDa

AA Sequence

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MADEPVWRSEQAIGAIASQEDGVFVASGSCLDQLDYSLEHSLRSLYRDQAGNCTE
PVSLAPPARPRPGSSFSKLLLPYREGAAGLGGLLLTGWTFDRGACEVRPLGNLSRN
SLRNGTEVVSCHPQGSTAGVVYRAGRNNRWYLAVAATYVLPEPETASRCNPAASD
HDTAIALKDTEGRSLATQELGRLKLCGAGSLHFVDAFLWNGSIYFPYYPNYTSGA
ATGWPSMARIAQSTEVLFQGGASLDCGHGHPDGRRLLSSSLVEALDVWAGVFSA
AAGEGQERRSPTTTALCLFRMSEIQARAKRVSWDFKTAESHCKEGDQPERVQPIAS
STLIHSDLTSVYGTVMNRTVFLGTGDGQLLKVILGENLTSNCPEVIYEIKEETPVFY
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KLVDPDPVKNIYIYLTAGKEVRRIRVANCNKHKSCSECLTATDPHCGWCHSLQRCTFQ
 GDCVHSENLLENWLDISSGAKKCPKIQIIRSSKEKTTVTMVGFSFSPRHSKCMVKNVDS
 SRELCQNKSQPNRTCTCSIPTRATYKDVSVVNVMFSGSWNLSDRFNFTNCSSLKE
 CPACVETGCAWCKSARRCIHPFTACDPSDYERNQEQCPVAVEKTSGGGRPKENKG
 NRTNQALQVFYIKSIEPQKVSTLGKSNVIVTGANFTRASNITMILKGTSTCDKDVIQVS
 HVLNDTHMKFSLPSSRKEMKDVCIQFDGGNCSSVGLSYIALPHCSLIFPATTWISG
 GQNITMMGRNFDVIDNLIISHELKGNINVSEYCVATYCGFLAPSLKSSKVRTNVTVKL
 RVQDTYLDLQYREDPRFTGYRVESEVDTELEVKIQKENDNFNISKKDIEITLFHG
 ENGQLNCSFENITRNQDLTTILCKIKGIKTASTIANSSKKVRVKLGNLELYVEQESVPS
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Purity

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

Notes

For research use only, not for use in diagnostic procedure.

Storage

Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.

Storage Buffer

PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name

PLXNC1 plexin C1 [Homo sapiens (human)]

Official Symbol

PLXNC1

Synonyms

PLXNC1; plexin C1; plexin-C1; CD232; VESPR; plexin (semaphorin receptor);
 receptor for viral semaphorin protein; receptor for virally-encoded semaphorin; virus-
 encoded semaphorin protein receptor; PLXN-C1;

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Gene ID	10154
mRNA Refseq	NM_005761
Protein Refseq	NP_005752
MIM	604259
UniProt ID	O60486

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