Recombinant Human PLXNA2

Cat. No. PLXNA2-30876TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment Human Plexin A2 with N-terminal proprietary tag. Predicted MW 44.15kDa.
Species	Human
Source	Wheat Germ
ProteinLength	165 amino acids
Description	This gene encodes a member of the plexin-A family of semaphorin co-receptors. Semaphorins are a large family of secreted or membrane-bound proteins that mediate repulsive effects on axon pathfinding during nervous system development. A subset of semaphorins are recognized by plexin-A/neuropilin transmembrane receptor complexes, triggering a cellular signal transduction cascade that leads to axon repulsion. This plexin-A family member is thought to transduce signals from semaphorin-3A and -3C.
Molecular Weight	44.150kDa inclusive of tags
Tissue specificity	Detected in fetal brain.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MHSQVFSAFPYSLPLRFWVNVIKNPQFVFDIHKGSITDAC LSVVAQTFMDSCSTSEH RLDKDSPSNKLLYAKDIPSYKSW VERYYADIAKLPAISDQDMNAYLAEQSRLHAVEF NMLSAL NEIYSYVSKYSEELIGALEQDEQARRQRLAYKVEQLINAM SIES
Sequence Similarities	Belongs to the plexin family.Contains 4 IPT/TIG domains.Contains 1 Sema domain.

GENE INFORMATION

Gene Name	PLXNA2 plexin A2 [Homo sapiens]
Official Symbol	PLXNA2
Synonyms	PLXNA2; plexin A2; PLXN2; plexin-A2; FLJ11751; FLJ30634; KIAA0463; OCT; plexin 2; semaphorin receptor OCT; transmembrane protein OCT;
Gene ID	5362
mRNA Refseq	NM_025179
Protein Refseq	NP_079455
MIM	601054
Uniprot ID	O75051
Chromosome	1q32.2

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Location	
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Axon guidance, organism-specific biosystem; CRMPs in Sema3A signaling, organism-specific biosystem;
Function	receptor activity; semaphorin receptor activity;

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