

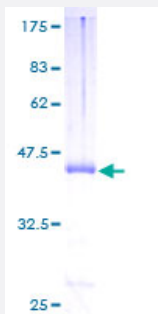
Full-Length

PLXNA2 (Human) Recombinant Protein (P01)

Catalog # H00005362-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PLXNA2 full-length ORF (AAH32125, 1 a.a. - 164 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MHSQVFSAFPYSLPLRFWVNVKNPQFVFDIHKGSITDACLSVVAQTFMDSCSTSEHRLDKDSPS NKLLYAKDIPSYKSWVERYADIKLPASDQDMNAYLAEQSRLHAVEFNMLSALNEISYVSKYSE ELIGALEQDEQARRQLAYKVEQLINAMSIES
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	43.78
Interspecies Antigen Sequence	Mouse (97); Rat (97)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PLXNA2

Entrez GeneID [5362](#)

GeneBank Accession# [BC032125](#)

Protein Accession# [AAH32125](#)

Gene Name PLXNA2

Gene Alias FLJ11751, FLJ30634, KIAA0463, OCT, PLXN2

Gene Description plexin A2

Omim ID [601054](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000034732|OTTHUMP00000063730|plexin 2|plexin-A2|semaphorin receptor OCT|transmembrane protein OCT

Publication Reference

- [Sympathetic nerve repulsion inhibited by designer molecules in vitro and role in experimental arthritis.](#)

Kunath J, Delaroque N, Szardenings M, Neundorff I, Straub RH.

Life Sciences 2017 Jan; 168:47.

Application: Func, Mouse, Sympathetic ganglia from mouse

Pathway

- [Axon guidance](#)

Disease

- [Anxiety Disorders](#)
- [Body Weight](#)
- [Depressive Disorder](#)
- [Diseases in Twins](#)
- [Genetic Predisposition to Disease](#)
- [Neurotic Disorders](#)
- [Osteoporosis](#)
- [Parkinson disease](#)
- [Personality Disorders](#)
- [Psychiatric Status Rating Scales](#)
- [Psychometrics](#)
- [Schizophrenia](#)
- [Spinal Fractures](#)
- [Stress](#)
- [Tobacco Use Disorder](#)