

Recombinant Mouse Flrt2 Protein, Myc/DDK-tagged

Cat. No. Flrt2-3042M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length fibronectin leucine rich transmembrane protein 2 (Flrt2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Functions in cell-cell adhesion, cell migration and axon guidance. Mediates cell-cell adhesion via its interactions with ADGRL3 and probably also other latrophilins that are expressed at the surface of adjacent cells. May play a role in the migration of cortical neurons during brain development via its interaction with UNC5D. Mediates axon growth cone collapse and plays a repulsive role in neuron guidance via its interaction with UNC5D, and possibly also other UNC-5 family members. Plays a role in fibroblast growth factor-mediated signaling cascades. Required for normal organization of the cardiac basement membrane during embryogenesis, and for normal embryonic epicardium and heart morphogenesis.
Molecular Mass	74.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Flrt2 fibronectin leucine rich transmembrane protein 2 [Mus musculus (house mouse)]
Official Symbol	Flrt2
Synonyms	FLRT2; fibronectin leucine rich transmembrane protein 2; KIAA0405
Gene ID	399558
mRNA Refseq	NM_201518
Protein Refseq	NP_958926
UniProt ID	Q8BLU0

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