

Recombinant Mouse Sdk2 Protein, Myc/DDK-tagged

Cat. No. Sdk2-5734M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length sidekick cell adhesion molecule 2 (Sdk2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Adhesion molecule that promotes lamina-specific synaptic connections in the retina and is specifically required for the formation of neuronal circuits that detect motion. Acts by promoting formation of synapses between two specific retinal cell types: the retinal ganglion cells W3B-RGCs and the excitatory amacrine cells VG3-ACs. Formation of synapses between these two cells plays a key role in detection of motion. Promotes synaptic connectivity via homophilic interactions.
Molecular Mass	239.9 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.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Sdk2 sidekick cell adhesion molecule 2 [Mus musculus (house mouse)]

Official Symbol Sdk2

Synonyms Sdk2; sidekick cell adhesion molecule 2; Sdk-2; mKIAA1514; 4632412F08Rik; 5330435L01Rik; protein sidekick-2; sidekick 2; sidekick homolog 2

Gene ID 237979

mRNA Refseq NM_172800

Protein Refseq NP_766388

UniProt ID Q6V4S5

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