

Recombinant Mouse Ryk Protein, Myc/DDK-tagged

Cat. No. Ryk-5663M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length receptor-like tyrosine kinase (cDNA clone MGC:40871 IMAGE:5370100), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	May be a coreceptor along with FZD8 of Wnt proteins, such as WNT1, WNT3, WNT3A and WNT5A. Involved in neuron differentiation, axon guidance, corpus callosum establishment and neurite outgrowth. In response to WNT3 stimulation, receptor C-terminal cleavage occurs in its transmembrane region and allows the C-terminal intracellular product to translocate from the cytoplasm to the nucleus where it plays a crucial role in neuronal development.
Molecular Mass	73.5 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 Ryk receptor-like tyrosine kinase [*Mus musculus* (house mouse)]

Official Symbol Ryk

Synonyms Ryk; receptor-like tyrosine kinase; V; Vik; ERK-; ERK-3; AW536699; tyrosine-protein kinase RYK; NYK-R; growth factor receptor; kinase VIK; met-related kinase; EC 2.7.10.1

Gene ID 20187

mRNA Refseq NM_013649

Protein Refseq NP_038677

UniProt ID Q01887

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