

Recombinant Human RYK Protein, MYC/DDK-tagged

Cat. No. RYK-2012H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RYK protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293
Species	Human
Source	HEK293
Description	The protein encoded by this gene is an atypical member of the family of growth factor receptor protein tyrosine kinases, differing from other members at a number of conserved residues in the activation and nucleotide binding domains. This gene product belongs to a subfamily whose members do not appear to be regulated by phosphorylation in the activation segment. It has been suggested that mediation of biological activity by recruitment of a signaling-competent auxiliary protein may occur through an as yet uncharacterized mechanism. The encoded protein has a leucine-rich extracellular domain with a WIF-type Wnt binding region, a single transmembrane domain, and an intracellular tyrosine kinase domain. This protein is involved in stimulating Wnt signaling pathways such as the regulation of axon pathfinding. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Feb 2012].
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	67.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name RYK receptor-like tyrosine kinase [Homo sapiens]

Official Symbol RYK

Synonyms D3S3195; JTK5; JTK5A; RYK1

Gene ID 6259

mRNA Refseq NM_001005861

Protein Refseq NP_001005861

MIM 600524

UniProt ID P34925

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