

Recombinant Human RYK Protein, DDK/His-tagged

Cat. No. RYK-694H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human RYK(Pro26-Arg224) , transcript variant 1, fused with DDK/His tag at C-terminal was expressed in HEK293 cells.

Species Human

Source HEK293

ProteinLength 26-224 a.a.

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.

Form 1 x PBS, pH7.4, 10% glycerol.

Molecular Mass 25 kDa

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Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

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

RYK; receptor-like tyrosine kinase; JTK5A, JTK5A protein tyrosine kinase , RYK receptor like tyrosine kinase; tyrosine-protein kinase RYK; D3S3195; JTK5; RYK1; hydroxyaryl-protein kinase; JTK5A protein tyrosine kinase; RYK receptor-like tyrosine kinase; JTK5A;

Gene ID 6259

mRNA Refseq NM_001005861

Protein Refseq NP_001005861

MIM 600524

UniProt ID P34925

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