

Recombinant Human RYK

Cat. No. RYK-31340TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human RYK with N terminal proprietary tag, 37.73kDa.
Species	Human
Source	Wheat Germ
ProteinLength	110 amino acids
Description	<p>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. Two alternative splice variants have been identified, encoding distinct isoforms.</p>
Molecular Weight	37.730kDa inclusive of tags
Tissue specificity	Observed in all the tissues examined.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	ELQSASAGPSVSLYLSEDEVRRRLIGLDAELYVVRNDLISH YALSFLLVPSETNFLHF TWHAKSKVEYKLGQVDNVLAM DMPQVNISVQGEVPRTLSVFRVELSCTGKV
Sequence Similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family. Contains 1 protein kinase domain. Contains 1 WIF domain.

GENE INFORMATION

Gene Name	RYK RYK receptor-like tyrosine kinase [Homo sapiens]
Official Symbol	RYK
Synonyms	RYK; RYK receptor-like tyrosine kinase; JTK5A, JTK5A protein tyrosine kinase; tyrosine-protein kinase RYK; D3S3195; JTK5; RYK1;
Gene ID	6259
mRNA Refseq	NM_002958
Protein Refseq	NP_002949
MIM	600524
Uniprot ID	P34925
Chromosome Location	3q22.1

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Pathway	Wnt signaling network, organism-specific biosystem;
Function	ATP binding; Wnt-protein binding; frizzled binding; nucleotide binding; protein binding;

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