

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	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.
Molecular Weight	37.730kDa inclusive of tags
Tissue specificity	Observed in all the tissues examined.
Form	Liquid
Purity	Proprietary Purification

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	pH: 8.00Constituents: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	ELQSASAGPSVSLYLSEDEVRRRLIGLDAELYYVRNDLISH YALSFSLLVPSETNFLHF TWHAKSKVEYKLG FQVDNLAM DMPQVNISVQGEVPRTL SVFRVELSCTGKV
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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