

Recombinant Human RYK, GST-tagged

Cat. No. RYK-262H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RYK (255-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	255-end a.a.
Description	RYK or receptor-like tyrosine kinase is an atypical member of the family of growth factor receptor protein tyrosine kinases. RYK differs from other receptor tyrosine kinases at a number of conserved residues in the activation and nucleotide binding domains. RYK has a leucine-rich extracellular domain with a WIF-type Wnt binding region, a single transmembrane domain, and an intracellular tyrosine kinase domain. RYK is involved in stimulating Wnt signaling pathways such as the regulation of axon path finding.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~66 kDa
Purity	>90% by densitometry
Applications	Western Blot

 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 Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Concentration 0.1 µg/µl

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](#)

Chromosome Location 3q22.1

Pathway Wnt signaling network, organism-specific biosystem;

 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



Function

ATP binding; Wnt-protein binding; frizzled binding; nucleotide binding; protein binding;
NOT protein tyrosine kinase activity; receptor activity; transmembrane receptor
protein tyrosine kinase activity; transmembrane signaling receptor activity;

 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