

Datasheet for ABIN5505758

**RYK Protein (DYKDDDDK-His Tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	20 µg
Target:	RYK
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RYK protein is labelled with DYKDDDDK-His Tag.
Application:	Antibody Production (AbP), Standard (STD)

## Product Details

Characteristics:	<ul style="list-style-type: none"><li>• Recombinant human Purified recombinant protein of human receptor-like tyrosine kinase (RYK), transcript variant 1, with C-terminal DDK/His tag, expressed in human cells, 20 µg (C-term DDK/His tag, transcript variant 1) protein expressed in Human HEK293 cells.</li><li>• Produced with end-sequenced ORF clone</li></ul>
Purification:	Purified
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

## Target Details

Target:	RYK
Alternative Name:	receptor-like tyrosine kinase ( <a href="#">RYK Products</a> )
Background:	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

## Target Details

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.

Molecular Weight: 25 kDa

NCBI Accession: [NP\\_001005861](#)

Pathways: [RTK Signaling](#), [WNT Signaling](#), [Regulation of Cell Size](#)

## Application Details

Application Notes: Recombinant human proteins can be used for:  
Native antigens for optimized antibody production  
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

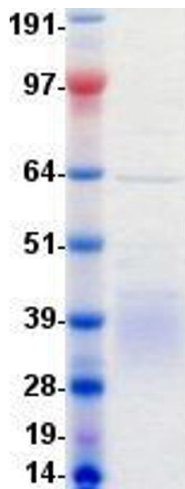
## Handling

Concentration: 50 µg/mL

Buffer: 1 x PBS, pH 7.4, 10 % glycerol.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

**Image 1.** Validation with Western Blot