

Product datasheet for PH315509

RYK (NM_002958) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RYK MS Standard C13 and N15-labeled recombinant protein (NP_002949)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215509
Predicted MW:	67.6 kDa
Protein Sequence:	>RC215509 representing NM_002958 Red =Cloning site Green =Tags(s) MRGAARLGRPGRSCLPGARGLRAPPPPLLLLLALLPLLAPGAAAAPAPRPPELQSASAGPSVSLYLSE DEVRRLLIGLDAELYYVRNDLISHYALSFLLVPSETNFLHFTWHAKSKVEYKLGQVDNVLAMDMPQVNI SVQGEVPRTLVFRVELSCTGKVDSEVMILMQLNLTVNSSKNFTVLFKRRKMCYKKLEEVKTSALDKNT SRTIYDPVHAAPTSTRVFYISVGCCAVIFLVAIILAVLHLHSMKRIELDDSSISASSSSQGLSQPSTQT TQYLRADTPNNA TPITSYPTLRIEKNDLRVTLLEAKGKVKDIAISRERITLKDVLQEGTFGRIFHGILI DEKDPNKEKQAFVKTVKDQASEIQVTMMLTESCKLRGLHHRNLLPITHVCIEEKEKPMVILPYMNWGNLK LFLRQCKLVEANNPQAISSQDLVHMAIQIACGMSYLARREVIHKDLAARNCVIDDTLQVKITDNALSRDL FPM DYHCLGDNENRPVRWMALESLVNNEFSSASDVWAFVGT LWELMTLGQTPYVDIDPFEMAAYLKDGYR IAQPINCPDELFAVMACWALDPEERPKFQQLVQCLTEFHAALGAYV SGP TRTRRLE QKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002949
RefSeq Size:	2951
RefSeq ORF:	1821



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Synonyms: D3S3195; JTK5; JTK5A; RYK1

Locus ID: 6259

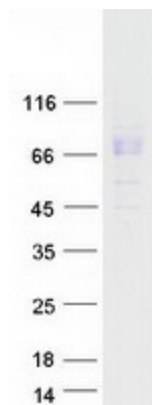
UniProt ID: [P34925](#), [Q8WTZ8](#), [Q59FQ5](#)

Cytogenetics: 3q22.2

Summary: 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. [provided by RefSeq, Feb 2012]

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

Product images:



Coomassie blue staining of purified RYK protein (Cat# [TP315509]). The protein was produced from HEK293T cells transfected with RYK cDNA clone (Cat# [RC215509]) using MegaTran 2.0 (Cat# [TT210002]).