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Product Information

MemDX™ Membrane Protein Human RYK (Receptor like tyrosine kinase) Full Length

Cat. No.: **MPC1430K**
This product is for research use only and is not intended for diagnostic use.

This product is a 67.8 kDa Human RYK membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
RYK

Protein Length
Full length

Protein Class
Transferase

Molecular Weight
67.8 kDa

TMD
1

Sequence
MRGAARLGRPGRSCLPGARGLRAPPPPPLLLLLALLPLLPAPGAAAAPAP
RPPELQSASAGPSVSLYLSEDEVRRLIGLDAELYYVRNDLISHYALSFSL
LVPSETNFLHFTWHAKSKVEYKLGFQVDNVLAMDMPQVNISVQGEVPRTL
SVFRVELSCTGKVDSEVMILMQLNLTVNSSKNFTVLNFKRRKMCYKKLEE
VKTSALDKNTSRTIYDPVHAAPTTSTRVFYISVGVCCAVIFLVAIILAVL
HLHSMKRIELDDSISASSSSQGLSQPSTQTTQYLRADTPNNATPITSYPT
LRIEKNDLRSVTLLEAKGKVKDIAISRERITLKDVLQEGTFGRIFHGILI
DEKDPNKEKQAFVKTVKDQASEIQVTMMLTESCKLRGLHHRNLLPITHVC
IEEGEKPMVILPYMNWGNLKLFLRQCKLVEANNPQAISQQDLVHMAIQIA
CGMSYLARREVIHKDLAARNCVIDDTLQVKITDNALSRDLFPMDYHCLGD
NENRPVRWMALESLVNNEFSSASDVWAFGVTLWELMTLGQTPYVDIDPFE
MAAYLKDGYRIAQPINCPDELFAVMACCWALDPEERPKFQQLVQCLTEFH
AALGAYV

Product Description

Expression Systems
HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

RYK

Full Name

Receptor like tyrosine kinase

Introduction

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.

Alternative Names

RYK; JTK5; RYK1; JTK5A; D3S3195; tyrosine-protein kinase RYK; JTK5A protein tyrosine kinase; hydroxyaryl-protein kinase; Receptor like tyrosine kinase

Gene ID

6259

UniProt ID

P34925