abcam

Product datasheet

Recombinant Human RYK protein ab139623

1 Image

Description

Product name	Recombinant Human RYK protein
Purity	> 90 % SDS-PAGE. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MKRIELDDSISASSSSQGLSQPSTQTTQYLRADTPNNATPI TSSLGYPTL RIEKNDLRSVTLLEAKGKVKDIAISRERITLKDVLQEGTFGRI FHGILID EKDPNKEKQAFVKTVKDQASEIQVTMMLTESCKLRGLHH RNLLPITHVCI EEGEKPMVILPYMNWGNLKLFLRQCKLVEANNPQAISQQ DLVHMAIQIAC GMSYLARREVIHKDLAARNCVIDDTLQVKITDNALSRDLFP MDYHCLGDN ENRPVRWMALESLVNNEFSSASDVWAFGVTLWELMTLG QTPYVDIDPFEM AAYLKDGYRIAQPINCPDELFAVMACCWALDPEERPKFQ QLVQCLTEFHA ALGAYV
Predicted molecular weight	66 kDa including tags
Amino acids	255 to 610

Specifications

Our **Abpromise guarantee** covers the use of **ab139623** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot SDS-PAGE
Form	Liquid

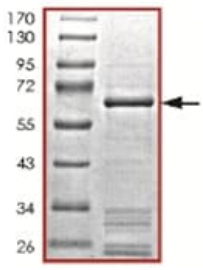
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.31% Glutathione, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.29% Sodium chloride

General Info

Function	May be a coreceptor along with FZD8 of Wnt proteins, such as WNT1, WNT3, WNT3A and WNT5A. Involved in neuron differentiation, axon guidance, corpus callosum establishment and neurite outgrowth. In response to WNT3 stimulation, receptor C-terminal cleavage occurs in its transmembrane region and allows the C-terminal intracellular product to translocate from the cytoplasm to the nucleus where it plays a crucial role in neuronal development.
Tissue specificity	Observed in all the tissues examined.
Sequence similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family. Contains 1 protein kinase domain. Contains 1 WIF domain.
Domain	The extracellular WIF domain is responsible for Wnt binding.
Post-translational modifications	Proteolytically cleaved, in part by presenilin, in response to WNT3 stimulation. Cleavage occurs during neuronal differentiation.
Cellular localization	Membrane. Nucleus. Cytoplasm. In cells that have undergone neuronal differentiation, the C-terminal cleaved part is translocated from the cytoplasm to the nucleus.

Images



SDS-PAGE - Recombinant Human RYK protein (ab139623)

SDS PAGE analysis of ab139623

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