

Recombinant Human RET (G691S) Kinase

Catalog No.: RP03351LQ

Sequence Information

Species	Gene ID
Human	5979
Swiss Prot	Tags
P07949	N-His-GST

Synonyms

RET; CDHF12; CDHR16; PTC;
Proto-oncogene c-Ret; Cadherin
family member 12; Proto-
oncogene tyrosine-protein kinase
receptor Ret

Product Information

Source	Purification
Baculovirus- Insect Cells	≥ 90 % as determined by SDS-PAGE; ≥ 90 % as determined by HPLC.

Calculated MW Observed MW

81.4 kDa 70-85 kDa

Endotoxin

< 1 EU/μg of the protein by LAL
method.

Formulation

Supplied as a 0.22 μm filtered
solution in 50 mM Tris-HCl, 200
mM NaCl, 5% glycerol, 1 mM DTT.
(pH 7.5). Contact us for
customized product form or
formulation.

Reconstitution

Please use running water to thaw
it quickly.

Background

The RET proto-oncogene encodes a receptor tyrosine kinase for members of the glial cell line-derived neurotrophic factor (GDNF) family of extracellular signalling molecules. In order to activate RET, GDNF-family ligands (GFLs) first need to form a complex with a glycosylphosphatidylinositol (GPI)-anchored co-receptor. The co-receptors themselves are classified as members of the GDNF receptor-α (GFRα) protein family. Different members of the GFRα family (GFRα1, GFRα2, GFRα3, GFRα4) exhibit a specific binding activity for a specific GFLs. Mice deficient in GDNF, GFRα1 or the RET protein itself exhibit severe defects in kidney and enteric nervous system development. This implicates RET signal transduction as key to the development of normal kidneys and the enteric nervous system.

Basic Information

Description

Recombinant Human RET (G691S) Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (His658-Ser1114 (G691S)) of Human RET (Accession #P07949) fused with a N-His-GST tag.

Activity

The activity of RET is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -70°C

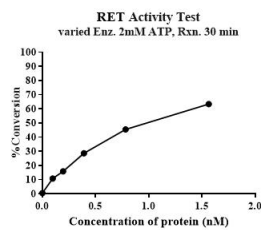
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

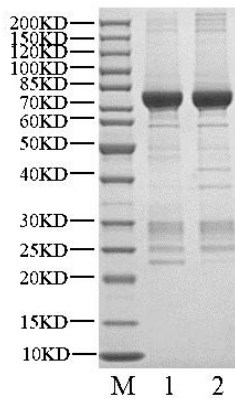
Contact

		400-999-6126
		cn.market@abclonal.com.cn
		www.abclonal.com.cn

Validation Data



The activity of RET is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.



Recombinant Human RET (G691S) Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.