

Recombinant Human RET (G691S) Protein

Catalog No.: RP03351LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	5979	P07949

Tags

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% by SDS-PAGE and HPLC

Calculated MW	Observed MW
81.4 kDa	70-85 kDa

Endotoxin

< 1.0 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.

Contact

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

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.

Bio-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.

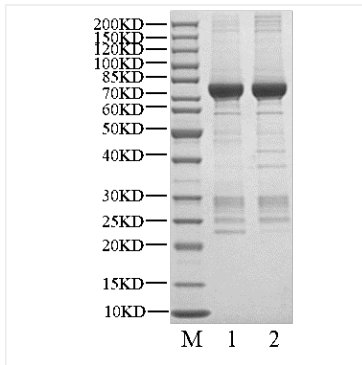
Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

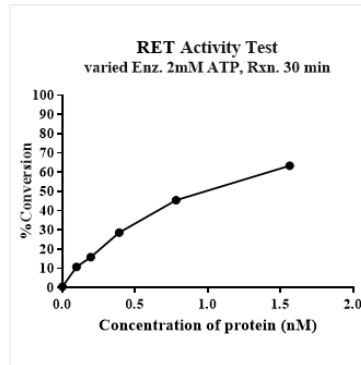
Aliquots below 10 μL are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

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Validation Data



Recombinant Human RET (G691S) Protein was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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