

Catalog No.: RP03352LQ **Recombinant**

Species	Gene ID	Swiss Prot
Human	5979	P07949

Tags
N-His-GST

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

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

Calculated MW	Observed MW
81.3 kDa	60-85 kDa

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

Supplied as a 0.22 μ m 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.

Please use running water to thaw it quickly.

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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 (GFR α) protein family. Different members of the GFR α family (GFR α 1, GFR α 2, GFR α 3, GFR α 4) exhibit a specific binding activity for a specific GFLs. Mice deficient in GDNF, GFR α 1 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.

Recombinant Human RET (S891A) Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (His658-Ser1114 (S891A)) of Human RET (Accession #P07949) fused with a N-His-GST tag.

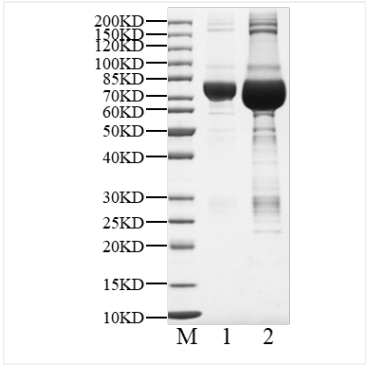
The activity of RET is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

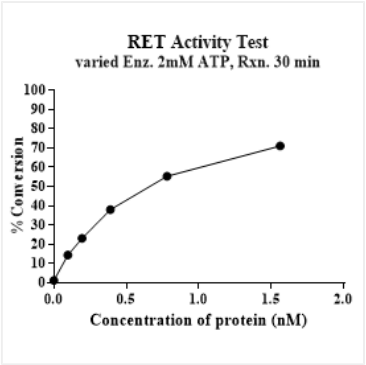
Aliquots below 10 μ L are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

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Validation Data



Recombinant Human RET (S891A) Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



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