

## RET (S904A) Recombinant Protein | RET recombinant protein

RET (S904A), Active

|                              |                                 |                                     |
|------------------------------|---------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA73909</b> | HOST<br><b>Sf9 insect cells</b> | APPLICATIONS<br><b>Kinase Assay</b> |
|------------------------------|---------------------------------|-------------------------------------|

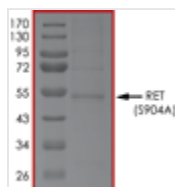
### PRODUCT SYNONYMS

RET (S904A); Active; PTC; RET51; CDHF12; CDHR16; RET-ELE1; MTC1; HSCR1; MEN2A; MEN2B; RET recombinant protein

### PRODUCT SPECIFICATIONS

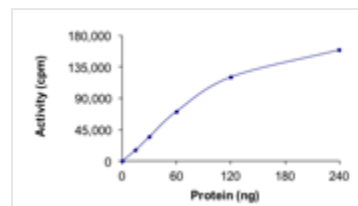
|                                                     |                                                                                                                                                                                                                                                |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                | Sf9 insect cells                                                                                                                                                                                                                               |
| Form/Format                                         | Recombinant protein stored in 50mM sodium phosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.                                                                                                                 |
| Applicable Applications for RET recombinant protein | Kinase Assay                                                                                                                                                                                                                                   |
| Tag                                                 | HIS                                                                                                                                                                                                                                            |
| Species                                             | Human                                                                                                                                                                                                                                          |
| Dry Ice Note                                        | The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.                                                                                                                                             |
| Preparation and Storage                             | Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |

### IMAGES



#### SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



#### Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

### ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for RET recombinant protein | <p>Recombinant human RET (S904A)(658-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag. The RET gene accession number is NM_020630.</p> <p>RET or ret proto-oncogene is a member of the cadherin superfamily that encodes one of the receptor tyrosine kinases, which are cell-surface molecules that transduce signals for cell growth and differentiation. RET can undergo oncogenic activation in vivo and in vitro by cytogenetic rearrangement (1). Mutations in the RET gene are associated with the disorders multiple endocrine neoplasia, type IIA, multiple endocrine neoplasia, type IIB, Hirschsprung disease, and medullary thyroid carcinoma. RET signaling pathway, by regulating the development of both the nervous and lymphoid system in the gut, plays a key role in the molecular mechanisms that orchestrate intestine organogenesis (2).</p> |
| Product Categories/Family for RET recombinant protein   | Mutant Kinases; Cancer; Neurobiology; Receptor Tyrosine Kinases                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## References

1. Grieco, M. et.al: PTC is a novel rearranged form of the ret proto-oncogene and is frequently detected in vivo in human thyroid papillary carcinomas. Cell 60: 557-563, 1990.
2. Veiga-Fernandes, H. et.al: Tyrosine kinase receptors RET is a key regulator of Peyer's patch organogenesis. Nature 446: 547-551, 2007.

## NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM\\_020630](#)

Molecular Weight

54kDa

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ret-s904a-recombinant-protein-sf9-insect-cells-kinase-assay/73909>