PRODUCT INFORMATION

Target	RET
Synonyms	Proto-oncogene tyrosine-protein kinase receptor Ret;Cadherin family member 12;Proto-oncogene c-Ret
Description	Recombinant human RET protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P07949
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	RET(Leu29-Arg635) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 68.6 kDa after removal of the signal peptide. The apparent molecular mass of RET-His is approximately 100-130 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes a transmembrane receptor and member of the tyrosine protein kinase family of proteins. Binding of ligands such as GDNF (glial cell-line derived neurotrophic factor) and other related proteins to the encoded receptor stimulates receptor dimerization and activation of downstream signaling pathways that play a role in cell differentiation, growth, migration and survival. The encoded receptor is important in development of the nervous system, and the development of organs and tissues derived from the neural crest. This proto-oncogene can undergo oncogenic activation through both cytogenetic rearrangement and activating point mutations. Mutations in this gene are associated with Hirschsprung disease and central hypoventilation syndrome and have been identified in patients with renal agenesis. [provided by RefSeq, Sep 2017]
Usage	Research use only
Conjugate	Unconjugated

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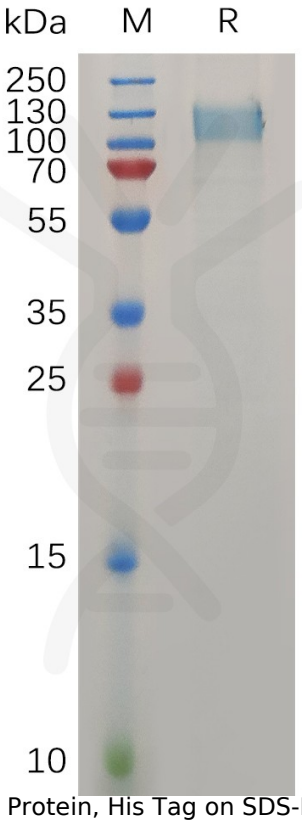


Figure 1. Human RET Protein, His Tag on SDS-PAGE under reducing condition.

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