Human RET Protein

Cat. No. RET-HM101

Description

Source	Recombinant Human RET Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Leu29-Arg635.
Accession	P07949-1
Molecular Weight	The protein has a predicted MW of 68.87 kDa. Due to glycosylation, the protein migrates to 90-120 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

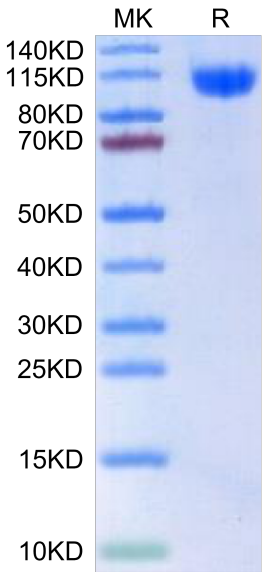
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

RET is a proto-oncogene encoding a receptor tyrosine kinase. RET regulates key aspects of cellular proliferation, differentiation and survival. The activation of RET via gene fusions or point mutations is closely related to lung, thyroid and other cancers.

Assay Data

Bis-Tris PAGE



Human RET on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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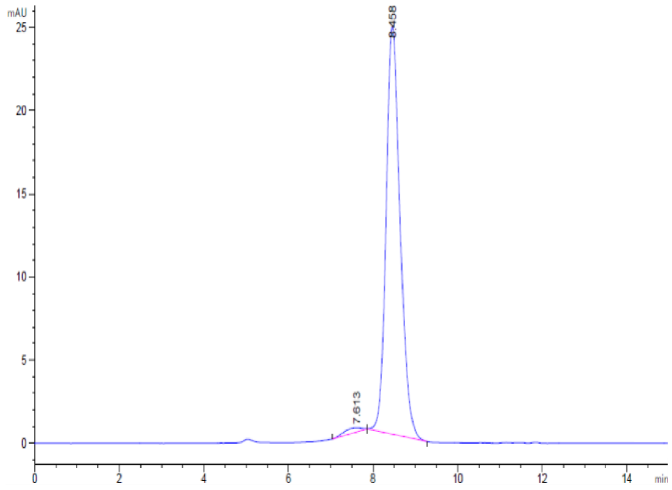

The purity of Human RET is greater than 95% as determined by SEC-HPLC.