Recombinant Human RET Protein, DDK-tagged

Cat. No. RET-685H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RET(Met-Ala708-Leu1016) fused with DDK tag at C-terminal was expressed in Sf9 cells.
Species	Human
Source	Sf9 Cells
ProteinLength	-708 a.a.
Description	This gene, a member of the cadherin superfamily, encodes one of the receptor tyrosine kinases, which are cell-surface molecules that transduce signals for cell growth and differentiation. This gene plays a crucial role in neural crest development, and it can undergo oncogenic activation in vivo and in vitro by cytogenetic rearrangement. Mutations in this gene are associated with the disorders multiple endocrine neoplasia, type IIA, multiple endocrine neoplasia, type IIB, Hirschsprung disease, and medullary thyroid carcinoma. Two transcript variants encoding different isoforms have been found for this gene. Additional transcript variants have been described but their biological validity has not been confirmed.
Form	50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol. Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	35.3 kDa

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	RET ret proto-oncogene [Homo sapiens]
Official Symbol	RET
Synonyms	RET; ret proto-oncogene; Hirschsprung disease 1 , HSCR1, MEN2A, MEN2B, MTC1, multiple endocrine neoplasia and medullary thyroid carcinoma 1; proto-oncogene tyrosine-protein kinase receptor Ret; cadherin related family member 16; CDHF12; CDHR16; PTC; RET51; proto-oncogene c-Ret; receptor tyrosine kinase; RET transforming sequence; cadherin family member 12; hydroxyaryl-protein kinase; cadherin-related family member 16; ret proto-oncogene (multiple endocrine neoplasia and medullary thyroid carcinoma 1, Hirschsprung disease); MTC1; HSCR1; MEN2A; MEN2B; RET-ELE1;
Gene ID	5979
mRNA Refseq	NM_020630
Protein Refseq	NP_065681
UniProt ID	P07949

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