

Recombinant Mouse Ret Protein, His-tagged

Cat. No. Ret-2014M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ret Protein (Leu29-Phe273) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Leu29-Phe273
Description	Enables transmembrane receptor protein tyrosine kinase activity. Involved in several processes, including Peyer's patch morphogenesis; neuron cell-cell adhesion; and positive regulation of metanephric glomerulus development. Acts upstream of or within several processes, including animal organ development; nervous system development; and positive regulation of macromolecule metabolic process. Predicted to be located in several cellular components, including endosome; membrane raft; and neuronal cell body. Predicted to be part of plasma membrane protein complex and receptor complex. Predicted to be active in axon. Predicted to be integral component of plasma membrane. Is expressed in several structures, including branchial arch; genitourinary system; gut; nervous system; and sensory organ. Used to study Hirschsprung's disease; clubfoot; multiple endocrine neoplasia type 2B; and pheochromocytoma. Human ortholog(s) of this gene implicated in Hirschsprung's disease; familial medullary thyroid carcinoma; multiple endocrine neoplasia type 2A; multiple endocrine neoplasia type 2B; and pheochromocytoma. Orthologous to human RET (ret proto-oncogene).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.8 kDa Accurate Molecular Mass: 32 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Ret ret proto-oncogene [Mus musculus (house mouse)]
Official Symbol	Ret
Synonyms	RET; ret proto-oncogene; proto-oncogene tyrosine-protein kinase receptor Ret; proto-oncogene c-Ret; PTC; RET9; RET51; c-Ret;
Gene ID	19713

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mRNA Refseq	NM_001080780
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Protein Refseq	NP_001074249
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UniProt ID	P35546
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