

Recombinant Mouse Ret Proto-oncogene

Cat. No. Ret-1776M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Mouse
Source	Mammalian Cells
Description	The RET proto-oncogene encodes a receptor tyrosine kinase for members of the glial cell line-derived neurotrophic factor family of extracellular signalling molecules.[1] RET loss of function mutations are associated with the development of Hirschsprung's disease, while gain of function mutations are associated with the development of various types of human cancer, including medullary thyroid carcinoma, multiple endocrine neoplasias type 2A and 2B.
Molecular Weight	The predicted molecular weight of Recombinant Mouse Ret is Mr 95 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 150 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated

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Freeze Thaw Cycles.

GENE INFORMATION

Gene Name	Ret ret proto-oncogene [<i>Mus musculus</i>]
Synonyms	Ret; ret proto-oncogene; PTC; RET9; RET51; c-Ret
Gene ID	19713
mRNA Refseq	NM_001080780
Protein Refseq	NP_001074249
UniProt ID	P35546
Chromosome Location	6 E3-F1; 6 53.2 cM
Pathway	Endocytosis; Pathways in cancer; Thyroid cancer
Function	ATP binding; calcium ion binding; kinase activity; protein binding; protein kinase activity; protein tyrosine kinase activity; transmembrane receptor protein tyrosine kinase activity

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