

Active Recombinant Mouse Raet1e Protein, Fc tagged

Cat. No. Raet1e-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Rae-1 epsilon (Leu29 - Ser229) protein with Human IgG1 (Pro100 - Lys330) Fc tag at C-terminus was expressed in Mouse myeloma cell line.
Species	Mouse
Source	Mouse myeloma cell line
ProteinLength	29-229 aa
Description	Enables natural killer cell lectin-like receptor binding activity. Acts upstream of or within T cell mediated cytotoxicity. Predicted to be located in intracellular membrane-bounded organelle and plasma membrane. Predicted to be active in external side of plasma membrane and extracellular space. Is expressed in embryo; embryo endoderm; and midgut. Orthologous to human RAET1G (retinoic acid early transcript 1G) and RAET1L (retinoic acid early transcript 1L).
Source	Mouse myeloma cell line
Species	Mouse
Tag	C-Fc
Form	Disulfide-linked homodimer
Molecular Weight	49.3 kDa (monomer)

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Bio-Activity	Measured by the ability of the protein to bind to immobilized rmNKG2D/Fc Chimera in a functional ELISA.
N-terminal Sequence Analysis	Leu29
Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Purity	> 90% by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	Reconstitute at 100 μg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature.
Reference	1. Zou, Z. et al. (1996) J. Biochem (Tokyo) 119:319. 2. Diefenbach, A. et al. (2000) Nature Immunol. 1:119. 3. Cerwenka, A. et al. (2000) Immunity 12:721.

GENE INFORMATION

Gene Name	Raet1e retinoic acid early transcript 1E [Mus musculus (house mouse)]
Official Symbol	Raet1e

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Synonyms	RAET1E; retinoic acid early transcript 1E; retinoic acid early-inducible protein 1-epsilon; RAE-1-epsilon; Rae-1 epsilon
Gene ID	379043
mRNA Refseq	NM_198193
Protein Refseq	NP_937836
UniProt ID	Q9CZQ6

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