

## Active Recombinant Mouse Raet1e Protein, Fc tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Mouse
<b>Source</b>	Mouse myeloma cell line
<b>ProteinLength</b>	29-229 aa
<b>Description</b>	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).
<b>Source</b>	Mouse myeloma cell line
<b>Species</b>	Mouse
<b>Tag</b>	C-Fc
<b>Form</b>	Disulfide-linked homodimer
<b>Molecular Weight</b>	49.3 kDa (monomer)

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<b>Bio-Activity</b>	Measured by the ability of the protein to bind to immobilized rmNKG2D/Fc Chimera in a functional ELISA.
<b>N-terminal Sequence Analysis</b>	Leu29
<b>Endotoxin</b>	< 0.10 EU/μg of the protein by the LAL method.
<b>Purity</b>	> 90% by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	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.
<b>Storage Buffer</b>	Lyophilized from a 0.2 μm filtered solution in PBS.
<b>Reconstitution</b>	Reconstitute at 100 μg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature.
<b>Reference</b>	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

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

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<b>Synonyms</b>	RAET1E; retinoic acid early transcript 1E; retinoic acid early-inducible protein 1-epsilon; RAE-1-epsilon; Rae-1 epsilon
<b>Gene ID</b>	<a href="#">379043</a>
<b>mRNA Refseq</b>	<a href="#">NM_198193</a>
<b>Protein Refseq</b>	<a href="#">NP_937836</a>
<b>UniProt ID</b>	<a href="#">Q9CZQ6</a>

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