

Recombinant Mouse Rarres2

Cat. No. Rarres2-2627M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Retinoic Acid Receptor Responder (Tazarotene Induced) 2 is expressed in <i>E. coli</i> .
Species	Mouse
Source	E.coli
Description	Chemerin is a potent chemoattractant, identified as the ligand of CMKLR (also known as Chem23R, DEZ), a receptor expressed by plasmacytoid DCs, and some macrophage and NK cell subsets. Pro-chemerin circulates in the blood and is biologically inactive, until processed by a variety of serine proteases at sites of tissue damage to remove six C-terminal amino acid residues. The cleaved, mature form of chemerin is biologically active and recruits CMKLR1-positive cells to sites of tissue damage. Chemerin is a member of the cystatin superfamily and contains three intrachain disulfide bonds.
Purity	>98% pure as demonstrated by SDS-gel electrophoresis and reverse phase HPLC.
Molecular Weight	16 kDa.
Endotoxin Level	Less than 0.01 ng/ug cytokine, as determined by the LAL assay.
Biological Activity	Measured in a bioassay of chemerin-induced migration of CHO cells transfected with the mouse chemerin receptor, CMKLR. Maximal chemotactic activity of chemerin in this assay is typically observed at 50-100 ng/ml.

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Formulation	Sterile liquid; phosphate buffered saline, pH 7.2, 150 mM NaCl, with 0.5% BSA, 0.22 µM filtered.
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Storage	Store at less than or equal to -70°C.
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GENE INFORMATION

Gene Name	Rarres2 retinoic acid receptor responder (tazarotene induced) 2 [Mus musculus]
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Synonyms	Rarres2; retinoic acid receptor responder (tazarotene induced) 2; chemerin; retinoic acid receptor responder protein 2; 0610007L05Rik; AI303516
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Gene ID	71660
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mRNA Refseq	NM_027852
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Protein Refseq	NP_082128
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UniProt ID	Q9DD06
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Chromosome Location	6 B2.3; 6
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