RECOMBINANT PROTEINS
Mouse Resistin-Like Molecule-Gamma

SIZE	CAT. NO.
25 μg	RP2089-25
100 μg	RP2089-100
1000 μg	RP2089-1000

BACKGROUND:

Resistin-like molecule-gamma (RELM-γ) is a member of the RELM family of secreted proteins containing C-terminal cysteines. The RELM family consists of Resistin (FIZZ3), RELM-α (FIZZ1), RELM-β (FIZZ2), and RELM-γ (FIZZ4). RELM-γ is secreted by peripheral blood granulocytes, bone marrow, spleen, intestine, and lung. RELM-γ functions to promote and regulate promyelocytic differentiation, in addition to regulating nutrient-associated insulin sensitivity in the intestinal tract. Rodents secrete all four RELM family members, whereas Resistin and RELM-β are the only RELM family members found in humans.

Recombinant mouse Resistin-like molecule-gamma is a non-glycosylated protein dimer, containing 89/178 amino acids and having a molecular mass of 9.4/18.9 kDa.

Cat. No.:
RP2089

AA Sequence:

MEGTLESIVE	KKVKELLANR	DDCPSTVTKT
FSCTSITASG	RLASCPSGMT	VTGCACGYGC
GSWDIRDGNT	CHCQCSTMDW	ATARCCQLA

TECHNICAL INFO

Source:
E. coli

Physical Appearance:
Sterile Filtered white lyophilized (freeze-dried) powder.

Formulation:
10 mM sodium phosphate, pH 7.5

Stability:
Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

Reconstitution:
Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/mL, which can be further diluted into other aqueous solutions.

Protein Content and Purity determined by:
- UV spectroscopy at 280 nm.
- RP-HPLC calibrated against a known standard.
- Quantitation against a known standard via reducing and non-reducing SDS-PAGE gels.

Endotoxin Level:
Endotoxin level, as measured by LAL analysis, is <0.01ng/ug or <0.1EU/ug.