

Recombinant Mouse Retnlg, His-tagged

Cat. No. Retnlg-3716M Lot. No. (See product label)

SPECIFICATION

Product Overview	Total 102 AA. MW: 11 kDa (calculated). N-Terminal His-tag 16 AA (highlighted).
Species	Mouse
Source	E.coli
Description	RELM-gamma is a novel member of the resistin-like molecule/found in inflammatory zone family in mice and rats. Microarray and real-time RT-PCR experiments revealed a repression of RELMgamma mRNA in nasal respiratory epithelium of cigarette smoke-exposed versus untreated rats. The analysis of the physiological tissue-specific expression revealed highest expression in hematopoietic tissues, suggesting a cytokine-like role for RELM-gamma.
Form	Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 0.05M Acetate buffer pH 4.
Purity	>95%
Reconstitution	Add 0.1M Acetate buffer pH4 to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10µg/mL. In higher concentrations the solubility of this antigen is limited. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Applications	Western blotting

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Quality Control Test	BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein
Sequences of amino acids	MRGSHHHHHH GMASHMTLES IVEKKVKELL ANRDDCPSTV TKTFSCSTSIT ASGRLASCPS GMTVTGCACG YGCGSWDIRD GNTCHCQCST MDWATARCCQ LA
Storage	Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.

GENE INFORMATION

Gene Name	Retnlg resistin like gamma [Mus musculus]
Official Symbol	Retnlg
Synonyms	Retnlg; resistin like gamma; Xcp1; Fizz3; Relmg; resistin-like gamma; RELMgamma; resistin-like molecule gamma
Gene ID	245195
mRNA Refseq	NM_181596
Protein Refseq	NP_853627
UniProt ID	Q8K426
Chromosome Location	16 B5; 16 32.5 cM

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Function

Molecular function

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