

RELM alpha active protein

Mouse RELM alpha

CATALOG # AAA79173	HOST E Coli	REACTIVITY Mouse
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PRODUCT SYNONYMS

RELM alpha; Mouse RELM alpha; Retnla; HIME; Xcp2; Fizz1; RELMa; Fizz-1; RELMalpha; RELM-alpha; 1810019L16Rik; RELM alpha active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Mouse
Purity/Purification	> 98% by SDS-PAGE & HPLC analyses
Form/Format	Lyophilized
Sequence	MDETIEIIVE NKVKELLANP ANYPSTVTKT LSCTSVKTMN RWASCPAGMT ATGCACGFAC GSWEIQSGDT CNCLCLLDVW TTARCCQLS
Sequence Length	89
Endotoxin Level	< 0.1 ng per ug of RELM-alpha
Structural Information	Monomeric
Endotoxin level	<0.1 ng/ug of protein (<1EU/ug)
Reconstitution	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.
Biological Activity	Data not available.
Preparation and Storage	The lyophilized protein is stable at room temperature for 1 month and at 4°C for 6 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 3 months at -20°C to -80°C. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for RELM alpha active protein	RELMalpha belongs to a unique family of tissue-specific cytokines termed FIZZ (found in inflammatory zone) and RELM. The three known members of this family; Resistin, RELMalpha and RELMbeta are 85-94 amino acid secreted proteins sharing a conserved C-terminal domain characterized by 10 cysteine residues with a unique spacing motif of C-X11-C-X8-C-X-C-X3-C-X10-C-X-C-X-C-X9-C-C. RELMalpha and Resistin are secreted exclusively by adipocytes while RELMbeta is expressed in the epithelium of the colon and small bowel. The physiological role and molecular targets of RELMalpha are still unknown. Recombinant murine RELMalpha is a 10.0 kDa monomeric protein containing 88 amino acid residues.
Product Categories/Family for RELM alpha active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	103472022
NCBI GeneID	57262

NCBI Accession #	NP_065255.2
NCBI GenBank Nucleotide #	NM_020509.3
UniProt Accession #	Q9EP95 ; Q9D8Y4
Molecular Weight	10 kDa
NCBI Official Full Name	resistin-like alpha
NCBI Official Synonym Full Names	resistin like alpha
NCBI Official Symbol	Retnla
NCBI Official Synonym Symbols	HIMF; Xcp2; Fizz1; RELMa; Fizz-1; RELMalpha; RELM-alpha; 1810019L16Rik
NCBI Protein Information	resistin-like alpha; found in inflammatory zone 1; hypoxia-induced mitogenic factor; cysteine-rich secreted protein FIZZ1; cysteine-rich secreted protein A12-gamma; parasite-induced macrophage novel gene 1 protein
UniProt Protein Name	Resistin-like alpha
UniProt Gene Name	Retnla
UniProt Synonym Gene Names	Fizz1; Himf; Pmng1
UniProt Entry Name	RETNA_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-mouse-active-protein/reln-alpha/79173>