Recombinant Equine Small Inducible Cytokine A5 RANTES

Cat. No. LOC100033925-141E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Equine CCL5 protein was expressed in *Yeast* and purified by using Ion-exchange chromatography, 7.9 kDa (68 aa).
Species	Equine
Source	Yeast
Description	CCL5 is an 8kDa protein classified as a chemotactic cytokine or chemokine. CCL5 is chemotactic for T cells, eosinophils, and basophils, and plays an active role in recruiting leukocytes into inflammatory sites. With the help of particular cytokines (i.e., IL-2 and IFN-γ) that are released by T cells, CCL5 also induces the proliferation and activation of certain natural-killer (NK) cells to form CHAK (CC-Chemokine-activated killer) cells.
Sequences Of Amino Acids	SPYASDTTPC CFAYISRPLP RAHIQEYFYT SSKCSIPAVV FVTRKKRQVC ANPEKKWVRE YINTLEMS.
Formulation/Reconstitution	Lyophilized. Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.
Purity	>95% as visualized by SDS-PAGE analysis.
Purification	Ion-exchange chromatography.
Biological Activity	In testing.

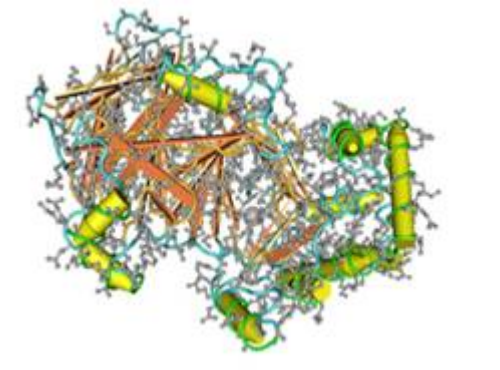
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Storage	Stable for up to twelve months from date of receipt at -20°C. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycles.
Pathways	Chemokine signaling pathway; Cytokine-cytokine receptor interaction; Cytosolic DNA-sensing pathway; NOD-like receptor signaling pathway; Prion diseases; Toll-like receptor signaling pathway

GENE INFORMATION

Gene Name	LOC100033925 small inducible cytokine A5 RANTES [Equus caballus]
Synonyms	LOC100033925; small inducible cytokine A5 RANTES; CCL5; RANTES; C-C motif chemokine 5; small-inducible cytokine A5; T-cell-specific protein RANTES
Gene ID	100033925
mRNA Refseq	NM_001081863
Protein Refseq	NP_001075332
UniProt ID	Q8MKD0
Chromosome Location	11

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