



Recombinant Cat C-C motif chemokine 5 (CCL5)

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| Product Code | CSB-MP844627CA |
| Abbreviation | CCL5 |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| Uniprot No. | Q8SQ40 |
| Product Type | Recombinant Protein |
| Immunogen Species | Felis catus (Cat) (Felis silvestris catus) |
| Purity | >85% (SDS-PAGE) |
| Sequence | SPYASDT TPCCFAYLSH PLPLTHLQEY FYTSSKCSMP AVFVTRRKR QVCANPQKKW VRDKGINSLE MN |
| Source | Mammalian cell |
| Target Names | CCL5 |
| Protein Names | Recommended name: C-C motif chemokine 5 Alternative name(s): Small-inducible cytokine A5 T-cell-specific protein RANTES |
| Expression Region | 24-92 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | Full Length of Mature Protein |
| Target Details | This gene is one of several CC cytokine genes clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene functions as a chemoattractant for blood monocytes, memory T helper cells and eosinophils. It causes the release of histamine from basophils and activates eosinophils. This cytokine is one of the major HIV-suppressive factors produced by CD8+ cells. It functions as one of the natural ligands for the chemokine receptor CCR5 and it suppresses in vitro replication of the R5 strains of HIV-1, which use CCR5 as a coreceptor. |
| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| Shelf Life | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. |



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