



Recombinant Guinea pig Interleukin-8 (IL8)

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| Product Code | CSB-EP011671GU-B |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P49113 |
| Product Type | Recombinant Protein |
| Immunogen Species | Cavia porcellus (Guinea pig) |
| Purity | ≥85% (SDS-PAGE) |
| Sequence | MVVTKLVS ELRCQCIKIH TTPFHPKFIK ELKVIESGPR CANSEIIVKL SDNRQLCLDP KKKWVQDVVS MFLKRTESQD S |
| Source | E.coli |
| Target Names | CXCL8 |
| Protein Names | Recommended name: Interleukin-8 Short name= IL-8 Alternative name(s): C-X-C motif chemokine 8 Neutrophil attractant protein 1 Short name= NAP-1 |
| Expression Region | 23-101 |
| 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 protein is a member of the CXC chemokine family. This chemokine is one of the major mediators of the inflammatory response. This chemokine is secreted by several cell types. It functions as a chemoattractant, and is also a potent angiogenic factor. This gene is believed to play a role in the pathogenesis of bronchiolitis, a common respiratory tract disease caused by viral infection. This gene and other ten members of the CXC chemokine gene family form a chemokine gene cluster in a region mapped to chromosome 4q. |
| 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. 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. |