



Recombinant Pig Granulocyte-macrophage colony-stimulating factor (CSF2)

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| Product Code | CSB-EP639041PI |
| Abbreviation | CSF2 |
| 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. | Q29118 |
| Product Type | Recombinant Protein |
| Immunogen Species | Sus scrofa (Pig) |
| Purity | >85% (SDS-PAGE) |
| Sequence | APT RPPSPVTRPW QHVDAIKEAL SLLNNSNDTA AVMNETVDVV CEMFDPQEPT CVQTRLNLYK QGLRGS�TRL KSPLTLLAKH YEQHCPŁTEE TSCETQSITF KSFKDSLNF LFTIPFDCWG PVKK |
| Source | E.coli |
| Target Names | CSF2 |
| Protein Names | Recommended name: Granulocyte-macrophage colony-stimulating factor Short name= GM-CSF Alternative name(s): Colony-stimulating factor Short name= CSF |
| Expression Region | 18-144 |
| 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 cytokine that controls the production, differentiation, and function of granulocytes and macrophages. The active form of the protein is found extracellularly as a homodimer. This gene has been localized to a cluster of related genes at chromosome region 5q31, which is known to be associated with interstitial deletions in the 5q- syndrome and acute myelogenous leukemia. Other genes in the cluster include those encoding interleukins 4, 5, and 13. |
| 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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