

# Colony Stimulating Factor 2, Granulocyte Macrophage (GMCSF) Recombinant Protein | GMCSF recombinant protein

Recombinant Colony Stimulating Factor 2, Granulocyte Macrophage (GMCSF)

|                               |                       |                                                                           |
|-------------------------------|-----------------------|---------------------------------------------------------------------------|
| CATALOG #<br><b>AAA134397</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>Immunoprecipitation, ELISA, Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|---------------------------------------------------------------------------|

## PRODUCT SYNONYMS

Colony Stimulating Factor 2; Granulocyte Macrophage (GMCSF); Recombinant Colony Stimulating Factor 2; GMCSF recombinant protein

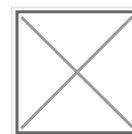
## PRODUCT SPECIFICATIONS

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                  | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Purity/Purification                                   | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Form/Format                                           | Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sequence                                              | Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandGST-t ag,itssequ enceislist edbelow. <b>MSPILGYW KIKGLVQPTR LLEYLEEKY EEHLIERDEG DKWRNKKFEL GLEFPNLPYY IDGDVKLTQS MAIRYIADK HNMLGGCPKE RAEISMLEGA VLDIRYGVSR IAYSKDFETL KVDFLSKLPE MLKMFEDRLC HKTYLNGDHV THPDFMLYDA LDVVLMDPM CLDAFPKLVC FKKRIEAIQ IDKYLKSSKY IAWPLQGWQA TFGGDHPPK SDGSTSGSGH HHHHHSAGLV PRGSTAIGMK ETAAAKFERQ HMDSPDLGTL EVLFQGPLGS EF-APARSPS PSTQPWEHVN AIQEARRLLN LSRDTAAEMN ETVEISEMF DLQEPTCLQT RLELYKQGLR GSLTKLKGPL TMMASHYKQH CPPTPETSCA TQITFESFK ENLKDFLLVI PFDCWEPVQE</b>                                                       |
| Sequence Length                                       | 144                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Applicable Applications for GMCSF recombinant protein | IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Organism                                              | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Expression System                                     | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Residues                                              | Ala18~Glu144 (Accession # P04141) with two N-terminal Tags, His-tag and GST-tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Endotoxin Level                                       | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Reconstitution                                        | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Preparation and Storage                               | Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months.<br>Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition. |

## IMAGES



SDS-PAGE



Sequence

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------|
| NCBI GI #                        | 27437030                                                                          |
| NCBI GeneID                      | 1437                                                                              |
| NCBI Accession #                 | NP_000749.2                                                                       |
| NCBI GenBank Nucleotide #        | NM_000758.3                                                                       |
| UniProt Accession #              | P04141; Q14CE8; Q2VPI8; Q8NFI6                                                    |
| Molecular Weight                 | 41.5kDa                                                                           |
| NCBI Official Full Name          | granulocyte-macrophage colony-stimulating factor                                  |
| NCBI Official Synonym Full Names | colony stimulating factor 2 (granulocyte-macrophage)                              |
| NCBI Official Symbol             | CSF2                                                                              |
| NCBI Official Synonym Symbols    | GMCSF                                                                             |
| NCBI Protein Information         | granulocyte-macrophage colony-stimulating factor; CSF; molgramostin; sargramostim |
| UniProt Protein Name             | Granulocyte-macrophage colony-stimulating factor                                  |
| UniProt Gene Name                | CSF2                                                                              |
| UniProt Synonym Gene Names       | GMCSF; GM-CSF; CSF                                                                |
| UniProt Entry Name               | CSF2_HUMAN                                                                        |

**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.

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Online datasheet: <https://stage.aaabiotech.com/csf2-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/134397>