

## Recombinant Rat Csf1 Protein, His&GST-tagged

**Cat. No.** Csf1-2161R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Csf1 Protein (Glu261-Leu427) with a N-His&GST tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | Glu261-Leu427                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | Enables identical protein binding activity. Involved in several processes, including myeloid leukocyte differentiation; odontogenesis; and ossification. Located in extracellular space. Used to study anti-basement membrane glomerulonephritis; high grade glioma; and osteopetrosis. Biomarker of systemic scleroderma. Human ortholog(s) of this gene implicated in interstitial cystitis. Orthologous to human CSF1 (colony stimulating factor 1). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 48.1 kDa<br>Accurate Molecular Mass: 48 kDa                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Endotoxin</b>        | <1.0 EU per 1g (determined by the LAL method).                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | > 97%                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                   |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                          |
| <b>Reconstitution</b>   | Reconstitute in ddH2O to a concentration of 0.1-0.5 mg/mL. Do not vortex.                                                                                                                                                                                                                                                                    |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>        | Csf1 colony stimulating factor 1 [ Rattus norvegicus (Norway rat) ]                                                                                                                                                                                                                                                                          |
| <b>Official Symbol</b>  | Csf1                                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>         | Csf1; colony stimulating factor 1; macrophage colony-stimulating factor 1<br>CSF-1<br>MCSF<br>colony stimulating factor 1 (macrophage)<br>EC 2.7.10.1                                                                                                                                                                                        |
| <b>Gene ID</b>          | 78965                                                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>      | NM_023981                                                                                                                                                                                                                                                                                                                                    |

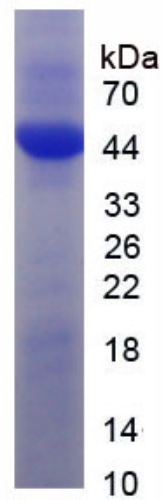
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Protein Refseq NP\_076471

UniProt ID Q6GMN4



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