

## Recombinant Rat Gsr protein

**Cat. No.** Gsr-5191R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Gsr protein(P70619)(1-424 aa) was expressed in E.coli.                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 1-424 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Form</b>             | Tris/PBS-based buffer, 6% Trehalose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AASequence</b>       | VNVGCVPPKKV MWNTAVHSEF IHDHVDYGFQ NCKSKFNWHV IKEKRDAYVS<br>RLNNIYQNNL TKSHIEVIHG YATFRDGPQP TAEVNGKKFT APHILIATGG<br>VPTVPHENQI PGASLGITSD GFFQLEDLPS RSVIVGAGYI AVEIAGILSA<br>LGSKTSLMIR HDKVLRSFDS LISSNCTEEL ENAGGVEVLT VKKFSQVKEV<br>KKTSSGLELH VVTALPGRKP TVTTIPDVDC LLWAIGRDPN SKGLNLNLKG<br>IQTDDKGHIL VDEFQNTNVK GVIYAVGDVCG KALLTPVAIA AGRKLAHRLF<br>EGKEDSRLDY DNIPTVVFSH PPIGTVGLTE DEAVHKYGKD NVKIYSTAFT<br>PMYHAVTTRK TKCVMKMVCA NKEEKVVGIH MQGIGCDEML QGFVAVKMG<br>ATKADFDNRV AIHPTSSEEL VTLR |
| <b>Purity</b>           | >85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                              |

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**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.

**GENE INFORMATION**

|                 |                                                                              |
|-----------------|------------------------------------------------------------------------------|
| Gene Name       | Gsr glutathione reductase [ Rattus norvegicus ]                              |
| Official Symbol | Gsr                                                                          |
| Synonyms        | GSR; glutathione reductase; GR; GRase; glutathione reductase, mitochondrial; |
| Gene ID         | 116686                                                                       |
| mRNA Refseq     | NM_053906                                                                    |
| Protein Refseq  | NP_446358                                                                    |

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