

Recombinant Rat Mgst1 Protein, His-tagged

Cat. No. Mgst1-1777R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Mgst1 Protein (Gln6-Leu155) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Gln6-Leu155
Description	Enables glutathione binding activity; glutathione transferase activity; and identical protein binding activity. Involved in several processes, including Leydig cell differentiation; response to lipopolysaccharide; and response to xenobiotic stimulus. Located in several cellular components, including endoplasmic reticulum; mitochondrion; and peroxisomal membrane. Is integral component of membrane. Orthologous to human MGST1 (microsomal glutathione S-transferase 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.7 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

[Mgst1 microsomal glutathione S-transferase 1 \[Rattus norvegicus \(Norway rat\) \]](#)

Official Symbol

[Mgst1](#)

Synonyms

MGST1; microsomal glutathione S-transferase 1; microsomal GST-1; microsomal GST-I; MGC72699;

Gene ID

[171341](#)

mRNA Refseq

[NM_134349](#)

Protein Refseq

[NP_599176](#)

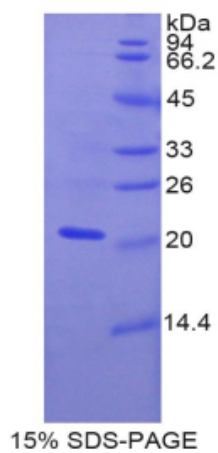
UniProt ID

[P08011](#)

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