

Recombinant Mouse Grpr protein, His & GST-tagged

Cat. No. Grpr-7836M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Grpr aa. (Met1~Leu116) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Met1~Leu116
Description	This gene encodes a multipass membrane protein that functions as a receptor for gastrin releasing peptide. Signalling through this receptor is important in a variety of physiological processes, including responses to itching, satiety, and fear.
Form	Freeze-dried powder
Molecular Mass	43kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>98%
Characteristic	The isoelectric point is 7.6.
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200µg/mL
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Grpr gastrin releasing peptide receptor [Mus musculus (house mouse)]
Official Symbol	Grpr
Synonyms	THBS2; thrombospondin 2; TSP2; thrombospondin-2
Gene ID	14829
mRNA Refseq	NM_008177.3
Protein Refseq	NP_032203.1

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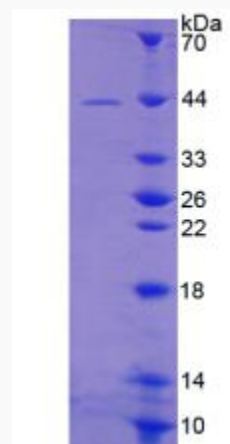
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UniProt ID

P21729

SDS-PAGE

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