

Recombinant Rat Ffar2 Protein, His&GST-tagged

Cat. No. Ffar2-2184R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Ffar2 Protein (Ser277-Glu330) with a N-His&GST tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ser277-Glu330
Description	Enables G protein-coupled receptor activity. Involved in G protein-coupled receptor signaling pathway and cellular response to fatty acid. Located in cell projection. Orthologous to human FFAR2 (free fatty acid receptor 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 35.6 kDa Accurate Molecular Mass: 40 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%
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

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in ddH₂O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

Ffar2 free fatty acid receptor 2 [*Rattus norvegicus* (Norway rat)]

Official Symbol

Ffar2

Synonyms

Ffar2; free fatty acid receptor 2; Gpr43; GPCR43; free fatty acid receptor 2
G protein-coupled receptor 43
leukocyte-specific STAT-induced GPCR

Gene ID

292794

mRNA Refseq

NM_001005877

Protein Refseq

NP_001005877

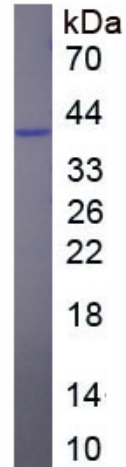
UniProt ID

Q76EI6

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