

Recombinant Mouse Ffar2 Protein, His-tagged

Cat. No. Ffar2-2183M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ffar2 Protein (Ser241-Glu330) with a N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser241-Glu330
Description	Enables G protein-coupled receptor activity. Involved in several processes, including leukocyte chemotaxis involved in inflammatory response; positive regulation of acute inflammatory response to non-antigenic stimulus; and positive regulation of cytokine production. Predicted to be located in cell projection and plasma membrane. Is expressed in pancreas; pancreas epithelium; superior cervical ganglion; and testis. Orthologous to human FFAR2 (free fatty acid receptor 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 13.5 kDa Accurate Molecular Mass: 16 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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.
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 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Ffar2 free fatty acid receptor 2 [Mus musculus (house mouse)]
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	233079
mRNA Refseq	NM_146187
Protein Refseq	NP_666299

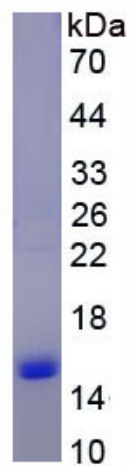
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UniProt ID

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