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 1μg (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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA



Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA