

Recombinant Human FFAR1, GST-tagged

Cat. No. FFAR1-12852H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FFAR1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-60a.a.
Description	This gene encodes a member of the GP40 family of G protein-coupled receptors that are clustered together on chromosome 19. The encoded protein is a receptor for medium and long chain free fatty acids and may be involved in the metabolic regulation of insulin secretion. Polymorphisms in this gene may be associated with type 2 diabetes.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	FFAR1 free fatty acid receptor 1 [Homo sapiens]
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Official Symbol	FFAR1
Synonyms	FFAR1; free fatty acid receptor 1; G protein coupled receptor 40 , GPR40; FFA1R; G protein-coupled receptor 40; G-protein coupled receptor 40; GPR40; GPCR40;
Gene ID	2864
mRNA Refseq	NM_005303
Protein Refseq	NP_005294
MIM	603820
UniProt ID	O14842
Chromosome Location	19q13.1
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Free fatty acid receptors, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A Rhodopsin-like, organism-specific biosystem; Incretin Synthesis, Secretion, and Inactivation, organism-specific biosystem;
Function	G-protein coupled receptor activity; fatty acid binding; guanyl-nucleotide exchange factor activity; receptor activity; signal transducer activity;

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