

## 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<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 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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<b>Official Symbol</b>	FFAR1
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">2864</a>
<b>mRNA Refseq</b>	<a href="#">NM_005303</a>
<b>Protein Refseq</b>	<a href="#">NP_005294</a>
<b>MIM</b>	<a href="#">603820</a>
<b>UniProt ID</b>	<a href="#">O14842</a>
<b>Chromosome Location</b>	19q13.1
<b>Pathway</b>	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;
<b>Function</b>	G-protein coupled receptor activity; fatty acid binding; guanyl-nucleotide exchange factor activity; receptor activity; signal transducer activity;

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