

## FFAR3

### Free fatty acid receptor 3

<b>Catalog No.</b>	CSH3061MP	<b>Quantity:</b>	10 mg
	CSH3061PR		50 µg

**Alternate Names:** FFA3, FFA3R, G-Protein Coupled Receptor 41, GPR41, GPR42

**Description:** FFAR3 encodes a protein known as Free fatty acid receptor 3, a class A G-protein coupled receptor that is a member of the GP40 family of receptors that are clustered together on chromosome 19. Free Fatty Acid receptors are a group of Gq/11 protein-coupled receptors currently classified into FFA1, FFA2, FFA3 and FFA4 subtypes. These receptors are concentrated in pancreatic islet cells, immune cells and in the brain and are important in immunity and metabolism. FFA3 is activated by a major product of dietary fiber digestion, the short chain fatty acids, and this receptor plays a role in the regulation of whole-body energy homeostasis and in intestinal immunity.

The receptor is available in the following formats: stable over-expression cell line, membrane preparation, or purified receptor in HEK293 or CHO. Various tagged versions are available.

**Gene ID:** 2865

**UniProtKB:** O14843

**Format:** Cell line, membrane preparation, or purified protein

**Source:** HEK 293 or CHO cells

**Characterization:** Expression verified by flow cytometry. Receptor demonstrates biological activity when tested in a radioligand assay.

**Affinity Tag Options:** 4S-H: 2 x TwinStrep Tag at the amino-terminus, His<sub>10</sub> tag at the carboxy-terminus

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