

## GPR84

## G-protein coupled receptor 84

<b>Catalog No.</b>	CSH2135MP CSH2135PR	<b>Quantity:</b>	10 mg 50 µg
<b>Alternate Names:</b>	G Protein-Coupled Receptor 84, Inflammation-Related G Protein-Coupled Receptor EX33, GPCR4		
<b>Description:</b>	<p>GPR84 encodes the G-protein coupled receptor 84, a receptor for medium-chain free fatty acid (FFAs) with carbon chain lengths of C9 to C14. Capric acid (C10:0), undecanoic acid (C11:0) and lauric acid (C12:0) are the most potent agonists. This receptor is not activated by short-chain and long-chain saturated and unsaturated FFAs. Activation by medium-chain free fatty acid is coupled to a pertussis toxin sensitive G(i/o) protein pathway. GPR84 may have an important role in processes from fatty acid metabolism to regulation of the immune system.</p> <p>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.</p>		
<b>Gene ID:</b>	53831		
<b>UniProtKB:</b>	Q9NQS5		
<b>Format:</b>	Cell line, membrane preparation, or purified protein		
<b>Source:</b>	HEK 293 or CHO cells		
<b>Characterization:</b>	Expression verified by flow cytometry. Receptor demonstrates biological activity when tested in a radioligand assay.		
<b>Affinity Tag Options:</b>	4S-H: 2 x TwinStrep Tag at the amino-terminus, His <sub>10</sub> Tag at the carboxy-terminus		

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