

## GPR50

### Melatonin-related receptor

<b>Catalog No.</b>	CSH3034MP	<b>Quantity:</b>	10 mg
	CSH3034PR		50 µg

**Alternate Names:** G Protein-Coupled Receptor 50, H9, Mel1c

**Description:** GPR50 encodes G protein-coupled receptor 50 (GPR50), a member of the G protein-coupled receptor family of integral membrane proteins and is most closely related to the melatonin receptor. This protein shares similarity with the melatonin receptors but it does not bind melatonin. However, it inhibits melatonin receptor 1A function through heterodimerization. GPR50 is the mammalian ortholog of melatonin receptor Mel1c described in non-mammalian vertebrates.

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:** 9248

**UniProtKB:** Q13585

**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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