

HCRT2

Orexin receptor type 2

Catalog No.	CSH3140MP	Quantity:	10 mg
	CSH3140PR		50 µg

Alternate Names: Hypocretin Receptor type 2, Ox2-R, OX2

Description: HCRT2 encodes the protein Orexin receptor type 2. It is a G-protein coupled receptor that is expressed exclusively in the brain. OX2 is a nonselective, high-affinity receptor for both orexin A and orexin B neuropeptides and is involved in the regulation of sleep-wakefulness and feeding behavior. It shares 64% identity with OX1.

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: 3062

UniProtKB: O43614

Format: Cell line, membrane preparation, or purified protein

Source: HEK 293 or CHO cells

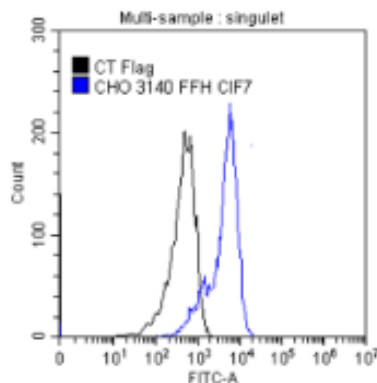
Characterization: Expression verified by flow cytometry. Receptor demonstrates biological activity when tested in a radioligand assay.

Affinity Tag Options: 4S-H: 2 x TwinStrep Tag at the amino-terminus, His₁₀ tag at the carboxy-terminus

FFH: FLAG tag at amino-terminus, FLAG tag and 10 x His tag at carboxy-terminus

GFP-S: Strep Tag at the amino-terminus, GFP His₁₀ Tag at the carboxy-terminus

Human HCRT2 receptor was stably overexpressed in CHO cells and expression was assessed by flow cytometry with Anti-Flag M2-FITC



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