

Recombinant Human HCRTR2 cell lysate

Cat. No. HCRTR2-775HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	The protein encoded by this gene is a G-protein coupled receptor involved in the regulation of feeding behavior. The encoded protein binds the hypothalamic neuropeptides orexin A and orexin B. A related gene (HCRTR1) encodes a G-protein coupled receptor that selectively binds orexin A.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	HCRTR2 hypocretin (orexin) receptor 2 [Homo sapiens]
Official Symbol	HCRTR2
Synonyms	HCRTR2; hypocretin (orexin) receptor 2; orexin receptor type 2; OX2R; ox2-R; ox-2-R; hypocretin receptor type 2;
Gene ID	3062

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mRNA Refseq	NM_001526
Protein Refseq	NP_001517
MIM	602393
UniProt ID	O43614
Chromosome Location	6p11-q11
Pathway	Class A/1 (Rhodopsin-like 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; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem;
Function	G-protein coupled receptor activity; neuropeptide receptor activity; orexin receptor activity; peptide hormone binding; receptor activity; signal transducer activity;