Recombinant Human RAMP2 293 Cell Lysate

Cat. No. RAMP2-2536HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for receptor (G protein-coupled) activity modifying protein 2 (RAMP2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	RAMP2 receptor (G protein-coupled) activity modifying protein 2 [Homo sapiens]
Official Symbol	RAMP2
Synonyms	RAMP2; receptor (G protein-coupled) activity modifying protein 2; receptor (calcitonin) activity modifying protein 2 , receptor activity modifying protein 2; receptor activity-modifying protein 2; CRLR activity-modifying protein 2; receptor activity modifying protein 2; receptor-activity-modifying protein 2; receptor (calcitonin) activity modifying protein 2; calcitonin receptor-like receptor activity modifying protein 2; calcitonin-receptor-like receptor activity-modifying protein 2;
Gene ID	10266
mRNA Refseq	NM_005854
Protein Refseq	NP_005845
MIM	605154
UniProt ID	O60895
Chromosome Location	17q12-q21.1
Pathway	Calcitonin-like ligand receptors, organism-specific biosystem; Class B/2 (Secretin

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	family receptors), organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem; Signal Transduction, organism-specific biosystem;
Function	coreceptor activity; protein binding; protein transporter activity; receptor activity;

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