Recombinant Human RAMP2 293 Cell Lysate

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

SPECIFICATION

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.
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

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	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 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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