

Recombinant Human ADRA2C 293 Cell Lysate

Cat. No. ADRA2C-8999HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for adrenergic, alpha-2C-, receptor (ADRA2C) 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	ADRA2C adrenergic, alpha-2C-, receptor [Homo sapiens]
Official Symbol	ADRA2C
Synonyms	ADRA2C; adrenergic, alpha-2C-, receptor; ADRA2L2, ADRA2RL2; alpha-2C adrenergic receptor; ADRARL2; alpha-2CAR; alpha2-AR-C4; alpha-2C adrenoceptor; alpha-2C adrenoreceptor; alpha-2C-adrenergic receptor; alpha-2 adrenergic receptor subtype C4; ADRA2L2; ADRA2RL2; ALPHA2CAR;
Gene ID	152
mRNA Refseq	NM_000683
Protein Refseq	NP_000674
UniProt ID	P18825
Chromosome Location	4p16.3
Pathway	Adrenaline signalling through Alpha-2 adrenergic receptor, organism-specific biosystem; Adrenoceptors, organism-specific biosystem; Amine ligand-binding receptors, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; G alpha (z) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem;

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Function

G-protein coupled receptor activity; adrenergic receptor activity; alpha-2A adrenergic receptor binding; alpha2-adrenergic receptor activity; epinephrine binding; protein binding; protein heterodimerization activity; protein homodimerization activity; receptor activity; signal transducer activity;

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