

Recombinant Human ADRA2C 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

downstream signaling, organism-specific biosystem;

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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA