

Recombinant Human ADRA2B, His-tagged

Cat. No. ADRA2B-3332H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alpha-2B adrenergic receptor (ADRA2B)
Species	Human
Source	E.Coli/Yeast
ProteinLength	450
Description	Alpha-2-adrenergic receptors are members of the G protein-coupled receptor superfamily. They include 3 highly homologous subtypes: alpha2A, alpha2B, and alpha2C. These receptors have a critical role in regulating neurotransmitter release from sympathetic nerves and from adrenergic neurons in the central nervous system. This intronless gene encodes the alpha2B subtype, which was observed to associate with eIF-2B, a guanine nucleotide exchange protein that functions in regulation of translation. A polymorphic variant of the alpha2B subtype, which lacks 3 glutamic acids from a glutamic acid repeat element, was identified to have decreased G protein-coupled receptor kinase-mediated phosphorylation and desensitization; this polymorphic form is also associated with reduced basal metabolic rate in obese subjects and may therefore contribute to the pathogenesis of obesity.
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%

 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

Notes	Small volumes of ADRA2B recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.
Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.
GENE INFORMATION	
Gene Name	ADRA2B adrenergic, alpha-2B-, receptor [Homo sapiens]
Official Symbol	ADRA2B
Synonyms	ADRA2B; adrenergic, alpha-2B-, receptor; ADRA2L1, ADRA2RL1; alpha-2B adrenergic receptor; ADRARL1; alpha-2BAR; alpha-2B adrenoceptor; alpha-2B adrenoreceptor; G-protein coupled receptor; adrenergic receptor alpha 2B; alpha-2B-adrenergic receptor; alpha-2-adrenergic receptor-like 1; ADRA2B adrenergic, alpha-2B-, receptor; alpha-2 adrenergic receptor subtype C2; ADRA2L1; ADRA2RL1; ALPHA2BAR;
Gene ID	151
mRNA Refseq	NM_000682
Protein Refseq	NP_000673

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MIM	104260
UniProt ID	P18089
Chromosome Location	2q11.1
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 biosys
Function	G-protein coupled receptor activity; adrenergic receptor activity; alpha2-adrenergic receptor activity; epinephrine binding; protein binding; receptor activity; signal transducer activity;

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