

Recombinant Full Length Human ADRB2 Protein

Cat. No. ADRB2-701HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ADRB2 was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	413 amino acids
Description	This gene encodes beta-2-adrenergic receptor which is a member of the G protein-coupled receptor superfamily. This receptor is directly associated with one of its ultimate effectors, the class C L-type calcium channel Ca(V)1.2. This receptor-channel complex also contains a G protein, an adenylyl cyclase, cAMP-dependent kinase, and the counterbalancing phosphatase, PP2A. The assembly of the signaling complex provides a mechanism that ensures specific and rapid signaling by this G protein-coupled receptor. This gene is intronless. Different polymorphic forms, point mutations, and/or downregulation of this gene are associated with nocturnal asthma, obesity and type 2 diabetes.
Form	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Molecular Mass	46.6 kDa
AA Sequence	MGQPGNGSAF LLAPNRSHAP DHDVTQQRDE VVVVGMGIVM SLIVLAIVFG NVLVITAIK FERLQTVTNY FITSLACADL VMGLAVVPFG AAHILMKMWT FGNFWCEFWT SIDVLCVTAS IETLCVIAVD RYFAITSPFK YQSLLTKNKA

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RVIILMVWIV SGLTSFLPIQ MHWYRATHQE AINCYNETC CDFFTNQAYA
 IASSIVSFYV PLVIMVFVYS RVFQEAKRQL QKIDKSEGRF HVQNLSQVEQ
 DGRTGHGLRR SSKFCLKEHK ALKTLGIIMG TFTLCWLPFF IVNIVHVIQD
 NLIRKEYIIL LNWIGYVNSG FNPLIYCRSP DFRIAFQELL CLRRSSLKAY
 GNGYSSNGNT GEQSGYHVEQ EKENKLLCED LPGTEDFVGH QGTVPDNDID
 SQGRNCSTND SLL

Applications Antibody Production; Functional Study; Compound Screening

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [ADRB2 adrenoceptor beta 2 \[Homo sapiens \]](#)

Official Symbol [ADRB2](#)

Synonyms BAR; B2AR; ADRBR; ADRB2R; BETA2AR; adrenergic, beta-2-, receptor, surface; adrenoceptor beta 2 surface; beta-2 adrenoceptor; beta-2 adrenoreceptor; catecholamine receptor

Gene ID [154](#)

mRNA Refseq [NM_000024](#)

Protein Refseq [NP_000015](#)

MIM [109690](#)

UniProt ID [P07550](#)

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