

Recombinant Human ADRB1 Protein, His-tagged

Cat. No. ADRB1-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human partial (378-477aa) Beta-1 adrenergic receptor protein with His tag was expressed in Yeast.
Species	Human
Source	Yeast
ProteinLength	378-477 a.a.
Description	Beta-adrenergic receptors mediate the catecholamine-induced activation of adenylate cyclase through the action of G proteins. This receptor binds epinephrine and norepinephrine with approximately equal affinity. Mediates Ras activation through G(s)-alpha- and cAMP-mediated signaling.
Molecular Mass	12.5kDa
AA Sequence	CRSPDFRKAFQRLCCARRAARRRHATHGDRPRASGCLARPGPPSPGAASDDDD DDVVGATPPARLLEPWAGCNGGAAADSDSSLDEPCRPGFAESKV
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended.
Storage	Store working aliquots at 4 centigrade for up to one week. The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability

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

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

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of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Storage Buffer Tris-based buffer, 50% glycerol

GENE INFORMATION

Gene Name [ADRB1 adrenoceptor beta 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [ADRB1](#)

Synonyms ADRB1; adrenoceptor beta 1; Beta-1 adrenoreceptor; Beta-1 adrenoceptor; RHR; B1AR; ADRB1R; BETA1AR; beta-1 adrenergic receptor; adrenergic, beta-1-, receptor; beta-1 adrenoceptor; beta-1 adrenoreceptor

Gene ID [153](#)

mRNA Refseq [NM_000684](#)

Protein Refseq [NP_000675](#)

MIM [109630](#)

UniProt ID [P08588](#)

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