

Recombinant Mouse Adrb2 Protein, GST-tagged

Cat. No. Adrb2-88M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Adrb2 Protein (Pro330-Leu418) with N-GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Pro330-Leu418
Description	This intronless gene belongs to the G-protein-coupled receptor superfamily, which includes transmembrane proteins that play a role in signal transduction across biological membranes resulting in a variety of physiological responses. The encoded protein is a beta-2 adrenergic receptor which is activated by catecholamine ligands such as adrenaline and epinephrine. The protein participates in the classical signaling pathway involving G protein, adenylyl cyclase, cAMP (3'-5'-cyclic adenosine monophosphate) and protein kinase A (PKA). In humans, this gene is implicated in susceptibility to nocturnal asthma, obesity and type 2 diabetes.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.8 kDa Accurate Molecular Mass: 44 kDa
Purity	> 80%

 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	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

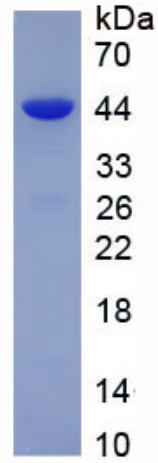
GENE INFORMATION

Gene Name	Adrb2 adrenergic receptor, beta 2 [Mus musculus (house mouse)]
Official Symbol	Adrb2
Synonyms	ADRB2; adrenergic receptor, beta 2; beta-2 adrenergic receptor; beta 2-AR; beta 2-adrenoceptor; beta-2 adrenoceptor; beta-2 adrenoreceptor; Badm; Gpcr7; Adrb-2
Gene ID	11555
mRNA Refseq	NM_007420
Protein Refseq	NP_031446
UniProt ID	P18762

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