PRODUCT INFORMATION

Target	ADRB2
Synonyms	BAR, ARB2, B2AR, ADRBR, ADRB2R, BETA2AR
Description	Recombinant human ADRB2 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P07550
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	ADRB2(Met1-Glu30) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 29.3 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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 receptor is also a transcription regulator of the alpha-synuclein gene, and together, both genes are believed to be associated with risk of Parkinson's Disease. This gene is intronless. Different polymorphic forms, point mutations, and/or downregulation of this gene are associated with nocturnal asthma, obesity, type 2 diabetes and cardiovascular disease. [provided by RefSeq, Oct 2019]
Usage	Research use only
Conjugate	Unconjugated

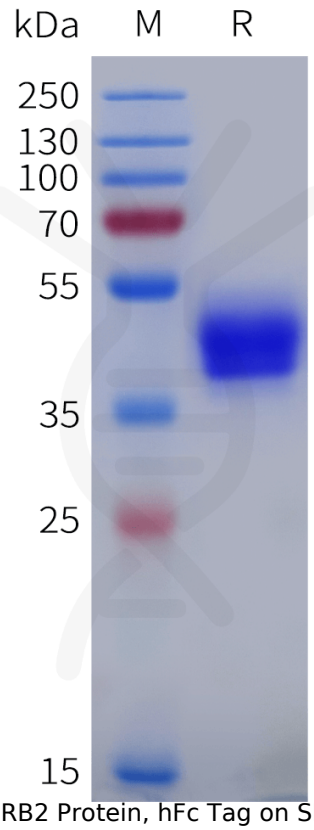

Figure 1. Human ADRB2 Protein, hFc Tag on SDS-PAGE under reducing condition.