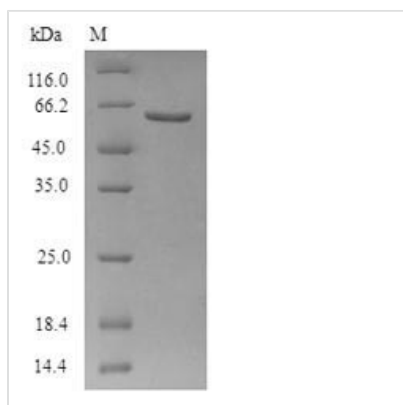




Recombinant Human Beta-2 adrenergic receptor (ADRB2) (G16R,E27Q)

Product Code	CSB-CF001392HU(M)
Relevance	Beta-adrenergic receptors mediate the catecholamine-induced activation of adenylate cyclase through the action of G proteins. The beta-2-adrenergic receptor binds epinephrine with an approximately 30-fold greater affinity than it does norepinephrine.
Abbreviation	Recombinant Human ADRB2 protein (G16R,E27Q)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P07550
Product Type	Transmembrane Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MGQPGNGSAFLAPNRSHAPDHDVTQQRDEVWVGMGIVMSLIVLAIVFGNV LVITAIKFERLQTVTNFYFITSACADLVLMGLAVVPFGAAHILMKMWTFGNFWC EFWTSIDVLCVTASIELTCVIAVDYFAITSPFKYQSLLTKNKARVILMVWIVSGL TSFLPIQMHWRATHQEAINCYANETCCDFFTNQAYAIASSIVSFYVPLVIMVFV YSRVFQEAQRQLQKIDKSEGRFHVQNLSQVEQDGRTGHGLRRSSKFCLKEHK ALKTLGIIMGTFTLCWLPFFIVNIVHVIQDNLRKEVYILLNWIGYVNSGFNPLIYC RSPDFRIAFQELLCLRRSSLKAYGNGYSSNGNTGEQSGYHVEQEKENKLLCE DLPGTEDFVGHQGTVPDNDISQGRNCSTNDSLL
Source	in vitro E.coli expression system
Protein Names	Beta-2 adrenoreceptorShort name:Beta-2 adrenoceptor
Expression Region	1-413aa(G16R,E27Q)
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	62.5kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.