Recombinant Human CHRNG Protein, His&GST-tagged

Cat. No. CHRNG-783H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHRNG Protein (Arg23-Ala250) with His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Arg23-Ala250
Description	The mammalian muscle-type acetylcholine receptor is a transmembrane pentameric glycoprotein with two alpha subunits, one beta, one delta, and one epsilon (in adult skeletal muscle) or gamma (in fetal and denervated muscle) subunit. This gene, which encodes the gamma subunit, is expressed prior to the thirty-third week of gestation in humans. The gamma subunit of the acetylcholine receptor plays a role in neuromuscular organogenesis and ligand binding and disruption of gamma subunit expression prevents the correct localization of the receptor in cell membranes. Mutations in this gene cause Escobar syndrome and a lethal form of multiple pterygium syndrome. Muscle-type acetylcholine receptor is the major antigen in the autoimmune disease myasthenia gravis.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 56.6 kDa; Accurate Molecular Mass: 57 kDa
Purity	> 90%

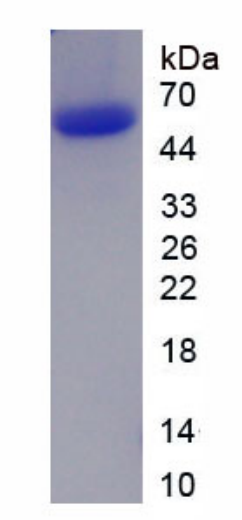
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	CHRNG cholinergic receptor, nicotinic, gamma (muscle) [Homo sapiens (human)]
Official Symbol	CHRNG
Synonyms	CHRNG; cholinergic receptor, nicotinic, gamma (muscle); ACHRG, cholinergic receptor, nicotinic, gamma; acetylcholine receptor subunit gamma; acetylcholine receptor; nicotinic; gamma (muscle); acetylcholine receptor, muscle, gamma subunit; acetylcholine receptor, nicotinic, gamma (muscle); cholinergic receptor, nicotinic, gamma polypeptide; ACHRG; MGC133376;
Gene ID	1146
mRNA Refseq	NM_005199

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

Protein Refseq	NP_005190
MIM	100730
UniProt ID	P07510
	

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