

AR51392PU-S**Human Neuronal acetylcholine receptor subunit alpha-6 (26-239, His-tag) - Purified**

Alternate names:	CHRNA6, Nicotinic acetylcholine receptor subunit alpha-6
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	Cholinergic receptor, nicotinic, alpha 6, also known as CHRNA6, belongs to the nicotinic acetylcholine receptors (nAChRs) family. nAChRs are heteropentameric ligand-gated ion channels resulting from the assembly of alpha and beta protein subunits. This ion channel is gated by the binding of acetylcholine to the assembled receptor. Alpha 6 is often found associated with beta 3, beta 2, and alpha 4 subunits. CHRNA6 receptors have a relatively selective localization to the nigrostriatal pathway where they function to mediate dopamine release.
Uniprot ID:	Q15825
NCBI:	NP_004189
GeneID:	8973
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Description:	Recombinant human CHRNA6 protein, fused to His-tag at N-terminus, was expressed in E.coli. AA Sequence: MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSKGCV GCATEERLFH KLFSHYNQFI RPVENVSDPV TVHFEVAITQ LANVDEVNQI METNLWLRHI WNDYKLRWDP MEYDGIETLR VPADKIWKPD IVLYNNAVG D FQVEGKTAL LKYNMITWT PPAIFKSSCP MDITFFPFDH QNCSLKFGSW TYDKAEIDL L IIGSKVDMND FWENSEWEII DASGYKHDIK YNCCEEIYTD ITYSFYIRRL Molecular weight: 29.3 kDa (250aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Keskitalo Vuokko k., et al. (2011) Nicotine Tob Res. 13(8): 686-90. Groot Kormlink P J., et al. (2004) J Gen Physiol. 123: 697-708.

Pictures:

