

## 32-3537: CHRNA6 Recombinant Protein

**Alternative Name :** CHNRA6, Neuronal acetylcholine receptor subunit alpha-6, CHRNA6.

### Description

Source : Escherichia Coli. CHRNA6 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 250 amino acids (26-239 a.a) and having a molecular mass of 29.3kDa. CHRNA6 is fused to a 36 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Cholinergic Receptor Nicotinic, Alpha 6 (CHRNA6) is a part of the nicotinic acetylcholine receptors (nAChRs) family. nAChRs are heteropentameric ligand-gated ion channels generating from the assembly of alpha and beta protein subunits. After binding acetylcholine, the AChRs respond by a major change in conformation which affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane. CHRNA6 receptors have a rather selective localization to the nigrostriatal pathway where they mediate dopamine release.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 85.0% as determined by SDS-PAGE.
<b>Content :</b>	CHRNA6 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSKGCV GCATEERLFH KLFSHYNQFI RPVENVSDPV TVHFEVAITQ LANVDEVNQI METNLWLRHI WNDYKLRWDP MEYDGIETLR VPADKIWKPD IVLYNNAVGD FQVEGKTKAL LKYNGMITWT PPAIFKSSCP MDITFFPFDH QNCSLKFGSW TYDKAEIDLL IIGSKVDMND FWENSEWEII DASGYKHDIK YNCCEEIYTD ITYSFYIRRL.