

## 32-13153: CHRNA3 Human

**Alternative Name :** Cholinergic Receptor, Nicotinic, Alpha 3 (Neuronal), Cholinergic Receptor, Nicotinic, Alpha Polypeptide 3, NACHRA3, LNCR2, PAOD2, Neuronal Nicotinic Acetylcholine Receptor, Alpha3 Subunit, Neuronal Acetylcholine Receptor Subunit Alpha-3, Acetylcholine Receptor, Alpha 3 (Neuronal), Nicotinic, Neuronal acetylcholine receptor subunit alpha-3.

### Description

Source: Escherichia Coli.

Sterile Filtered clear solution.

Cholinergic Receptor Nicotinic Alpha 3, also known as CHRNA3 is part of the nicotinic acetylcholine receptor family. Proteins of this family form pentameric complexes comprised of both alpha & beta subunits. Furthermore, CHRNA3 is ligand-gated ions channel which participates in neurotransmission. CHRNA3 has been associated with an increased risk of smoking initiation as well as an increased susceptibility to lung cancer.

CHRNA3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 232 amino acids (32-240 a.a) and having a molecular mass of 27kDa. CHRNA3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Greater than 80.0% as determined by SDS-PAGE.

**Content :** CHRNA3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.

**Storage condition :** 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.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSSEAEHRL FERLFEDYNE IIRPVANVSD PVIHFEVSM SQLVKVDEVN QIMETNLWLK QIWNDYKWKW NPSDYGGAEF MRVPAQKIWK PDIVLYNNAV GDFQVDDTK ALLKYTGEVT WIPPAIFKSS CKIDVTYFPF DYQNCTMKFG SWSYDKAKID LVLIGSSMNL KDYWESGEWA IIKAPGYKHD IKYNCCEIY PDITYSLYIR RL.