

CHRNA3, 32-240aa, Human, His tag, E.coli

Cat.NO.: TP01616

3th Edition

Synonyms:Neuronal acetylcholine receptor subunit alpha-3 isoform 1, LNCR2, NACHRA3, PAOD2

Description:CHRNA3 also known as neuronal acetylcholine receptor subunit alpha-3 isoform 1 is a member of the nicotinic acetylcholine receptor family of proteins. Members of this family of proteins form pentameric complexes comprised of both alpha and beta subunits. CHRNA3 is a ligand-gated ion channel that likely plays a role in neurotransmission. CHRNA3 have been associated with an increased risk of smoking initiation and an increased susceptibility to lung cancer. Alternatively spliced transcript variants have been described. Recombinant human CHRNA3 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer(pH8.0) containing 10% glycerol

Molecular Weight:27kDa (232aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSSAEHRLFERLFEDYNEIIRPVANVSDPVIIHFEVSMSQLVKVDEVNQIMETN
LWLKQIWNDYKWKWNPSDYGGAEFMRVPAQKIWKPDIVLYNNAVGDVFQVDDKTKALLKYTG EVTWIPPAIFKSSCKI
DVTYFPFDYQNCTMKFGSWSYDKAKIDLVLIGSSMNLKDYWESGEWAIKAPGYKHDIKYNCC EEIYPDITYSLYIRR
L

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.