

## Product datasheet for **AR51926PU-N**

### Neuronal acetylcholine receptor subunit alpha-3 (32-240, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Neuronal acetylcholine receptor subunit alpha-3 (32-240, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSSEAEHRL FERLFEDYNE IIRPVANVSD PVIHFVFSM SQLVKVDEVN QIMETNLWLK QIWNDYKLLW NPSDYGGAEF MRVPAQKIWK PDIVLYNNAV GDFQVDDTK ALLKYTGEVT WIPPAIFKSS CKIDVTYFPF DYQNCTMKFG SWSYDKAKID LVLIGSSMNL KDYWESGEWA IIKAPGYKHD IKYNCCEIY PDITYSLYIR RL
Tag:	His-tag
Predicted MW:	27 kDa
Concentration:	lot specific
Purity:	>80% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CHRNA3 protein, fused to His-tag at N-terminus, was expressed in E.coli.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_000734</a>
Locus ID:	1136
UniProt ID:	<a href="#">P32297</a>
Cytogenetics:	15q25.1
Synonyms:	BAIPRCK; LNCR2; NACHRA3; PAOD2



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**Summary:**

This locus encodes 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. This locus encodes an alpha-type subunit, as it contains characteristic adjacent cysteine residues. The encoded protein is a ligand-gated ion channel that likely plays a role in neurotransmission. Polymorphisms in this gene have been associated with an increased risk of smoking initiation and an increased susceptibility to lung cancer. Alternatively spliced transcript variants have been described. [provided by RefSeq, Nov 2009]

**Protein Families:**

Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane

**Product images:**