

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Choactase (R383) Peptide

Cat No.: BS2903P

Background

Choactase catalyzes the synthesis of the neurotransmitter acetylcholine (ACh) from choline and acetyl-CoA in cholinergic neurons. Choline acetyltransferase serves as a specific marker for cholinergic neurons in both peripheral and central nervous systems. Choline acetyltransferase recruits choline for the synthesis of acetylcholine at preganglionic parasympathetic and sympathetic fibres. It is also present at parasympathetic post-ganglionic fibres. Dysfunction of cholinergic neurons underlies aspects of clinical symptoms found in neurological and psychiatric disorders such as Alzheimer's disease, Down and Rett syndromes. Mutations in this gene are associated with congenital myasthenic syndrome associated with episodic apnea. Multiple transcript variants encoding different isoforms have been found for this gene, and some of these variants have been shown to encode more than one isoform.

Swiss-Prot

P28329

Applications

Blocking

Specificity

This peptide can be used with studies using BS2903 Choactase (R383) pAb.

Purification & Purity

Synthetic peptide Choactase (R383). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.