

AKAP7 Human

Description:AKAP7 Human Recombinant produced in E. coli is a single polypeptide chain containing 105 amino acids (1-81) and having a molecular mass of 11.5kDa. AKAP7 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:PKPS-037

For research use only.

Synonyms:A kinase (PRKA) anchor protein 7, A-kinase anchor protein 18 kDa, A-kinase anchor protein 9, kDa PRKA7 isoforms alpha/beta, PRKA7 isoform gamma, AKAP15, AKAP18.

Source:E.coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSHMGQLCC FPF SRDEGKI
SEKNGGEPDD AELVRLSKRL VENAVLKAVQ QYLEETQNKKN KPGEGSSVKT EAADQNGNDN
ENNRK

Purity:Greater than 90% as determined by SDS-PAGE.

Formulation:

The AKAP7 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 50mM NaCl, 1mM DTT and 10% glycerol.

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

AKAP7 is a member of the A-kinase anchoring protein (AKAP) family, a group of functionally related proteins which bind to a regulatory subunit (RII) of cAMP-dependent protein kinase A (PKA) and target the enzyme to specific subcellular sections. AKAP7 is expressed in heart, brain, pancreas, lung and skeletal muscle. AKAP7 binds PKA to the plasma membrane, and allows efficient coupling to the L-type calcium channel.

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