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AP3S1 Human

Catalog #:PRPS-1287

For research use only.

Description:AP3S1 Human Recombinant produced in E. coli is a single polypeptide chain containing 213 amino acids (1-193) and having a molecular mass of 23.8 kDa. AP3S1 is fused to 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms:CLAPS3, Sigma3A ,AP-3 complex subunit sigma-1, AP-3 complex subunit sigma-3A, Adapter-related protein complex 3 sigma-1 subunit, Clathrin-associated/assembly/adapter protein, small 3, Sigma-3A-adaptin, Sigma-adaptin 3a.

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MIKAILIFNN HGKPRLSKFY QPYSEDTQQQ IIRETFHLVS RDENVCNFL EGGLLIGGSD NKLIYRHYAT LYFVFCVDSS ESELGILDLI QVFVETLDKC ENVCELDLI FHVDKVHNIL AEMVMGGMVL ETNMNEIVTQ IDAQNKLEKS EAGLAGAPAR AVSAVKNMNL PEIPRNINIG DISIKVPNLP SFK.

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

Formulation:
The AP3S1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

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 drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
AP-3 complex subunit sigma-1 (AP3S1) belongs to the AP-3 complex, an adapter-related complex which is not clathrin-associated. AP3S1 is linkd with the Golgi region in addition to more peripheral structures. AP3S1 facilitates the budding of vesicles from the Golgi membrane and involved in trafficking to lysosomes.

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