
Product Data Sheet

Product Name: AP3S1 Human
 Cat. No.: GP22742
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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/adaptor protein; small 3; Sigma-3A-adaptin; Sigma-adaptin 3a.		
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.		
Formulation	The AP3S1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

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 linked 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.

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.

Background

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

Caution: Product has not been fully validated for medical applications. For research use only.

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amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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