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## Product Data Sheet

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Product Name: AP1S2 Human  
 Cat. No.: GP22741  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Adaptor-related protein complex 1 sigma 2 subunit; SIGMA1B; Adaptor protein complex AP-1 sigma-1B subunit; Clathrin assembly protein complex 1 sigma-1B small chain; Golgi adaptor HA1/AP1 adaptin sigma-1B subunit; Sigma 1B subunit of AP-1 clathrin; MRX59; mental retardation X-linked 59; MGC:1902; AP-1 complex subunit sigma-2; golgi adaptor HA1/AP1 adaptin sigma 1B subunit.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MQFMLLSFRQ GKLRLQKWYV PLSDKKKKI TRELVQTVLA RKPKMCSFLE WRDLKIVYKR YASLYFCCAI EDQDNELITL EIIHRYVELL DKYFGSVCEL DIIFNFEKAY FILDEFLLGG EVQETSCKNV LKAIEQADLL QEEAETPRSV LEEIGLT		
Formulation	AP1S2 protein solution (0.5mg/1ml) containing 20mM Tris-HCl buffer (pH8.0), 40% glycerol, 0.1M NaCl and 2mM DTT.		

### Introduction

AP1S2 belongs to the adaptin protein family and functions as the small subunit of AP-1 complex 1 which is found in the cytoplasmic face of coated vesicles placed at the Golgi complex. AP-1 complex 1 facilitates both the necessity of clathrin to the membrane and the identification of organizing signals within the cytosolic tails of transmembrane receptors.

### Stability

AP1S2 although stable at 4°C for 1 week, should be stored below -18°C . Please prevent freeze thaw cycles.

### Background

AP1S2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

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

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chain containing 177 amino acids (1-157a.a) and having a molecular mass of 20.7kDa. AP1S2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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