

Product datasheet

Recombinant Human AP4E1 protein ab127858

Description

Product name	Recombinant Human AP4E1 protein
Purity	> 95 % Purified via His tag.
Expression system	Escherichia coli
Accession	Q9UPM8
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Amino acids	951 to 1136

Specifications

Our [Abpromise guarantee](#) covers the use of **ab127858** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. After reconstitution store at -20°C. Avoid freeze / thaw cycles. Constituent: 0.58% Sodium chloride
Reconstitution	Reconstitute with water to desired concentration.

General Info

Function	Subunit of novel type of clathrin- or non-clathrin-associated protein coat involved in targeting proteins from the trans-Golgi network (TGN) to the endosomal-lysosomal system.
Tissue specificity	Widely expressed.
Involvement in disease	Defects in AP4E1 are the cause of cerebral palsy spastic quadriplegic type 4 (CPSQ4) [MIM:613744]. A non-progressive disorder of movement and/or posture resulting from defects in

the developing central nervous system. Affected individuals manifest motor and posture impairments often associated with epilepsy and disturbances of cognition, behavior, sensation, and communication.

Sequence similarities

Belongs to the adaptor complexes large subunit family.

Cellular localization

Golgi apparatus > trans-Golgi network. Associated with the trans-Golgi network. Found in soma and dendritic shafts of neuronal cells.

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