

## Product datasheet for **TP762652**

### AP2 alpha (AP2A1) (NM\_014203) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human adaptor-related protein complex 2, alpha 1 subunit (AP2A1), transcript variant 1
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region full length of AP2A1
Tag:	N-GST and C-HIS
Predicted MW:	135.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_055018</a>
Locus ID:	160
UniProt ID:	<a href="#">O95782</a>
RefSeq Size:	3499
Cytogenetics:	19q13.33
RefSeq ORF:	2931
Synonyms:	ADTAA; AP2-ALPHA; CLAPA1



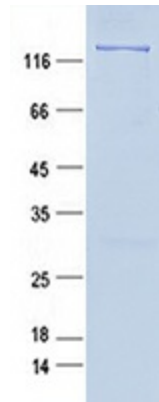
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**Summary:**

This gene encodes the alpha 1 adaptin subunit of the adaptor protein 2 (AP-2) complex found in clathrin coated vesicles. The AP-2 complex is a heterotetramer consisting of two large adaptins (alpha or beta), a medium adaptin (mu), and a small adaptin (sigma). The complex is part of the protein coat on the cytoplasmic face of coated vesicles which links clathrin to receptors in vesicles. Alternative splicing of this gene results in two transcript variants encoding two different isoforms. A third transcript variant has been described, but its full length nature has not been determined. [provided by RefSeq, Jul 2008]

**Protein Pathways:**

Endocytosis, Huntington's disease

**Product images:**

Purified recombinant protein AP2A1 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.