

## Product datasheet for **TP762459**

### **ATAD1 (NM\_032810) Human Recombinant Protein**

#### **Product data:**

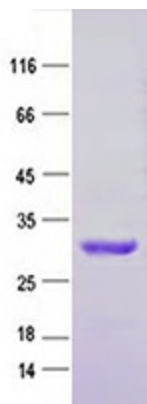
<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human ATPase family, AAA domain containing 1 (ATAD1), Asn277-Gln352, with N-terminal His-ABP tag, expressed in E.coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding the region(Asn277-Gln352) of ATAD1
<b>Tag:</b>	N-His-ABP (Albumin-Binding Protein)
<b>Predicted MW:</b>	25.5 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	50 mM Tris-HCl, pH 8.0, 8 M urea
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_116199</a>
<b>Locus ID:</b>	84896
<b>UniProt ID:</b>	<a href="#">Q8NBU5</a>
<b>RefSeq Size:</b>	3034
<b>Cytogenetics:</b>	10q23.31
<b>RefSeq ORF:</b>	1083
<b>Synonyms:</b>	AFDC1; FNP001; HKPX4; Msp1; THORASE



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**Summary:**

ATPase that plays a critical role in regulating the surface expression of AMPA receptors (AMPA), thereby regulating synaptic plasticity and learning and memory. Required for NMDA-stimulated AMPAR internalization and inhibition of GRIA1 and GRIA2 recycling back to the plasma membrane; these activities are ATPase-dependent (By similarity).  
[UniProtKB/Swiss-Prot Function]

**Product images:**

Purified recombinant protein ATAD1 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.