

## Product datasheet for **TP502096**

### **Arl6ip1 (NM\_019419) Mouse Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse ADP-ribosylation factor-like 6 interacting protein 1 (Arl6ip1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>MR202096 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MAEGDNRSSNLLAVETASLEEQLQGWGEVMLMADKVLRWERAWFPPAIMGWVSLFLIIYYLDPSVLSGV SCFVMFLCLADYLVPI LAPRIFGSNKWTTEQQQRFHEICSNLVKTRRRAVGWVKRLFSLKEEKPKMYFMT MIISLA AVAWVGQVHNNLLTYLIVTFVLLPGLNQHGILKYIGMAKREINKLLKQKEKKNE  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	23.4 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>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<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_062292</a>
<b>Locus ID:</b>	54208
<b>UniProt ID:</b>	<a href="#">Q9JKW0</a> , <a href="#">Q80ZW9</a>
<b>RefSeq Size:</b>	2154
<b>Cytogenetics:</b>	7 F1



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RefSeq ORF: 612

Synonyms: Aip-1; AIP-6; AL022945; Arl6ip; ARMER; AU042858; C85138; mKIAA0069

**Summary:** Positively regulates SLC1A1/EAAC1-mediated glutamate transport by increasing its affinity for glutamate in a PKC activity-dependent manner. Promotes the catalytic efficiency of SLC1A1/EAAC1 probably by reducing its interaction with ARL6IP5, a negative regulator of SLC1A1/EAAC1-mediated glutamate transport (PubMed:18684713). Plays a role in the formation and stabilization of endoplasmic reticulum tubules. Negatively regulates apoptosis, possibly by modulating the activity of caspase-9 (CASP9). Inhibits cleavage of CASP9-dependent substrates and downstream markers of apoptosis but not CASP9 itself. May be involved in protein transport, membrane trafficking, or cell signaling during hematopoietic maturation (By similarity).[UniProtKB/Swiss-Prot Function]