

Recombinant Mouse Armt1 Protein, Myc/DDK-tagged

Cat. No. Armt1-1723M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length acidic residue methyltransferase 1 (Armt1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Metal-dependent phosphatase that shows phosphatase activity against several substrates, including fructose-1-phosphate and fructose-6-phosphate. Its preference for fructose-1-phosphate, a strong glycosylating agent that causes DNA damage rather than a canonical yeast metabolite, suggests a damage-control function in hexose phosphate metabolism. Has also been shown to have O-methyltransferase activity that methylates glutamate residues of target proteins to form gamma-glutamyl methyl ester residues. Possibly methylates PCNA, suggesting it is involved in the DNA damage response.
Molecular Mass	51 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Armt1 acidic residue methyltransferase 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Armt1](#)

Synonyms Armt1; acidic residue methyltransferase 1; AW320013; AW536799; 1700052N19Rik; damage-control phosphatase ARMT1; UPF0364 protein C6orf211 homolog; protein-glutamate O-methyltransferase; sugar phosphate phosphatase ARMT1; EC 2.1.1.-

Gene ID [73419](#)

mRNA Refseq [NM_024261](#)

Protein Refseq [NP_077223](#)

UniProt ID [A6H630](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA