

Recombinant Mouse Agtpbp1 Protein, Myc/DDK-tagged

Cat. No. Agtpbp1-1562M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ATP/GTP binding protein 1 (cDNA clone MGC:79186 IMAGE:6848599), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Metalloprotease that mediates deglutamylation of target proteins. Catalyzes the deglutamylation of polyglutamate side chains generated by post-translational polyglutamylation in proteins such as tubulins. Also removes gene-encoded polyglutamates from the carboxy-terminus of target proteins such as MYLK. Acts as a long-chain deglutamylase and specifically shortens long polyglutamate chains, while it is not able to remove the branching point glutamate, a process catalyzed by AGL5/CCP5. Deglutamylation plays a key role in cerebellar Purkinje cell differentiation, accumulation of tubulin polyglutamylation causing neurodegeneration.
Molecular Mass	168.1 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.

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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 [Agtppb1 ATP/GTP binding protein 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Agtppb1](#)

Synonyms [Agtppb1](#); ATP/GTP binding protein 1; N; at; Ccp; pcd; CCP1; Nna1; atms; nmf243; 1700020N17Rik; 2310001G17Rik; 2900054O13Rik; 4930445M19Rik; 5730402G09Rik; cytosolic carboxypeptidase 1; Purkinje cell degeneration; nervous system nuclear protein induced by axotomy protein 1; nuclear ATP/GTP-binding protein; EC 3.4.17.-

Gene ID [67269](#)

mRNA Refseq [NM_023328](#)

Protein Refseq [NP_075817](#)

UniProt ID [Q641K1](#)

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