

Recombinant Mouse Paox Protein, Myc/DDK-tagged

Cat. No. Paox-4672M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length polyamine oxidase (exo-N4-amino) (Paox), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Flavoenzyme which catalyzes the oxidation of N(1)-acetylspermine to spermidine and is thus involved in the polyamine back-conversion. Can also oxidize N(1)-acetylspermidine to putrescine. Substrate specificity: N(1)-acetylspermine = N(1)-acetylspermidine > N(1),N(12)-diacetylspermine >> spermine. Does not oxidize spermidine. Plays an important role in the regulation of polyamine intracellular concentration and has the potential to act as a determinant of cellular sensitivity to the antitumor polyamine analogs.
Molecular Mass	55.4 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.
Concentration	>50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name [Paox polyamine oxidase \(exo-N4-amino\) \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Paox](#)

Synonyms PAOX; polyamine oxidase (exo-N4-amino); peroxisomal N(1)-acetyl-spermine/spermidine oxidase; exo-N4-amino; peroxisomal N1-acetyl-spermine/spermidine oxidase; Pao; AI118225; 2410012F02Rik

Gene ID [212503](#)

mRNA Refseq [NM_153783](#)

Protein Refseq [NP_722478](#)

UniProt ID [Q8C0L6](#)

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