

## Product datasheet for **TP321583M**

### PAOX (NM\_207127) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens polyamine oxidase (exo-N4-amino) (PAOX), transcript variant 4, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221583 representing NM_207127 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MESTGSVGEAPGGPRVLVGGGIAGLGAAQRLCGHSAPHLRVLEATARAGGRIRSERCFGGWVEVGAHW  
IHGPSRGNPVFQLAAEYGLLGEKELSQENQLVETGGHVGLPSVSYASSGASVSLQLVAEMATLFYGLIDQ  
TREFLHAAETPVPSVGEYLLKKEIGQHVAGWTEDETRKLLAVLNSFFNLECCVSGTHSMDLVALAPFGE  
YTVLPGLDCTFSKGYQGLTNCMMAALPEDTVVFEKPKVTIHWNGSFQEAAFPGETFPVSVECEDGDRFPA  
HHVIVTVPLGLSTFSVGSPLDLSLSSWRLCRMKKYFCVSPKCSGE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	34.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_997010</a>
Locus ID:	196743



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UniProt ID: [Q6QHF9](#)

RefSeq Size: 1467

Cytogenetics: 10q26.3

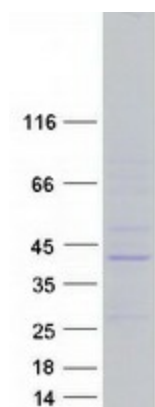
RefSeq ORF: 975

Synonyms: PAO

**Summary:** Flavoenzyme which catalyzes the oxidation of N(1)-acetylspermine to spermidine and is thus involved in the polyamine back-conversion (PubMed:12477380). 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 (PubMed:12477380).[UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified PAOX protein (Cat# [TP321583]). The protein was produced from HEK293T cells transfected with PAOX cDNA clone (Cat# [RC221583]) using MegaTran 2.0 (Cat# [TT210002]).