

## Product datasheet for **TP762293**

### EPX (NM\_000502) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human eosinophil peroxidase (EPX), Arg140-Met422, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Arg140-Met422) of EPX
Tag:	N-His
Predicted MW:	32.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
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 after receiving vials.
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_000493</a>
Locus ID:	8288
UniProt ID:	<a href="#">P11678</a>
RefSeq Size:	2731
Cytogenetics:	17q22
RefSeq ORF:	2145
Synonyms:	EPO; EPP; EPX-PEN; EPXD



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**Summary:**

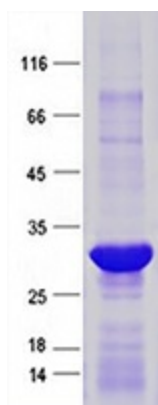
This gene is a member of the peroxidase gene family and is expressed in eosinophils. The encoded preproprotein is proteolytically processed into covalently attached heavy and light chains to form the mature enzyme, which functions as an oxidant. The enzyme is released at sites of parasitic infection or allergen stimulation to mediate lysis of protozoa or parasitic worms. The gene is found in a gene cluster with other peroxidase genes on chromosome 17. Mutations in this gene result in eosinophil peroxidase deficiency. [provided by RefSeq, Feb 2016]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Asthma

**Product images:**

Purified recombinant protein EPX was analyzed by SDS-PAGE gel and Coomassie Blue Staining.