

Recombinant Human eosinophil peroxidase Protein, His tagged

Cat. No. EPX-27H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Human eosinophil peroxidase (EPX), Arg140-Met422, with N-terminal His tag, expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	140-422aa
Description	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.
Tag	N-His
Molecular Mass	32.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may

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experience some loss of protein during the filtration process.

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.

Storage Buffer

50 mM Tris-HCl, pH 8.0, 8 M urea

Concentration

> 0.05 µg/µL as determined by microplate BCA method

GENE INFORMATION

Gene Name

EPX eosinophil peroxidase [Homo sapiens (human)]

Official Symbol

EPX

Synonyms

EPX; eosinophil peroxidase; EPO; EPP; EPX PEN; EPX-PEN

Gene ID

8288

mRNA Refseq

NM_000502

Protein Refseq

NP_000493

MIM

131399

UniProt ID

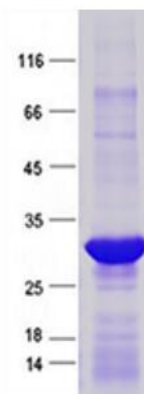
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Purified recombinant protein EPX was analyzed by SDS-PAGE gel and Coomossie Blue Staining.



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