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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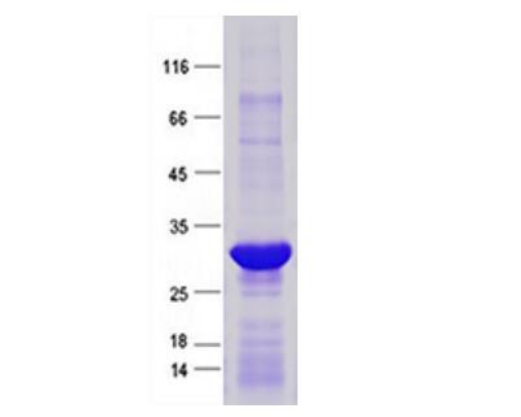
	experience some loss of protein during the filtration process.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Storage Buffer	50 mM Tris-HCl, 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	P11678

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



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