Native Human Eosinophil Peroxidase

Cat. No. EPX-8107H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Eosinophil Peroxidase was purified from Human Eosinophils.
Species	Human
Source	Human Eosinophils
Description	This gene is a member of the peroxidase gene family and is expressed in eosinophils. The encoded precursor protein is 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 cluster of three peroxidase genes at chromosome 17q23. Mutations in this gene result in eosinophil peroxidase deficiency.
Form	Liquid - Phosphatse and Sodium Chloride buffer pH 7.5
Molecular Mass	77 kDa
Purity	Typically >98% by SDS-PAGE
Storage	2-8 °C
Concentration	Typically >0.5 mg protein/mL

GENE INFORMATION

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	EPX eosinophil peroxidase [Homo sapiens]
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
Chromosome Location	17q23.1
Pathway	Asthma, organism-specific biosystem; Asthma, conserved biosystem;
Function	heme binding; metal ion binding; oxidoreductase activity; peroxidase activity;

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