Recombinant Human Eosinophil peroxidase (EPX)

Product Code	CSB-BP007756HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80
Uniprot No.	P11678
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	R CSDKYRTITG RCNNKRRPLL GASNQALARW LPAEYEDGLS LPFGWTPSRR RNGFLLPLVR AVSNQIVRFP NERLTSDRGR ALMFMQWGQF IDHDLDFSPE SPARVAFTAGVDCERTCAQLPPCFPIKIPPNDPRIKNQRDCIPFFRSAPSCPQN KNRVRNQINALTSFVD ASMVYGSEVSLSLRLRNRTNYLGLLAINQRFQDNGRALLPFDNLHDDPCLLTN RSARIPC FLAGDTRSTETPKLAAMHTLFMREHNRLATELRRLNPRWNGDKLYNEARKIM GAMVQIIT YRDFLPLVLGKARARRTLGHYRGYCSNVDPRVANVFTLAFRFGHTMLQPFMF RLDSQYRA SAPNSHVPLSSAFFASWRIVYEGGIDPILRGLMATPAKLNRQDAMLVDELRDR LFRQVRR IGLDLAALNMQRSRDHGLPGYNAWRRFCGLSQPRNLAQLSRVLKNQDLARKF LNLYGTPD NIDIWIGAIAEPLLPGARVGPLLACLFENQFRRARDGDRFWWQKRGVFTKRQR KALSRIS LSRIICDNTGITTVSRDIFRANIYPRGFVNCSRIPRLNLSAWRGT
Source	Baculovirus
Target Names	EPX
Protein Names	Recommended name: Eosinophil peroxidase Short name= EPO EC= 1.11.1.7Cleaved into the following 2 chains: 1. Eosinophil peroxidase light chain 2. Eosinophil peroxidase heavy chain
Expression Region	140-715
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.