

Recombinant Human MPO Protein, GST-tagged

Cat. No. MPO-2943H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MPO Protein was expressed in E. coli with GST tag.
Species	Human
Source	E.coli
Description	Myeloperoxidase (MPO) is a heme protein synthesized during myeloid differentiation that constitutes the major component of neutrophil azurophilic granules. Produced as a single chain precursor, myeloperoxidase is subsequently cleaved into a light and heavy chain. The mature myeloperoxidase is a tetramer composed of 2 light chains and 2 heavy chains. This enzyme produces hypohalous acids central to the microbicidal activity of neutrophils.
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.).
Molecular Mass	32 kDa
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store for up to 12 months at -20 centigrade to -80 centigrade as lyophilized powder.
Reconstitution	Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

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GENE INFORMATION

Gene Name	MPO myeloperoxidase [Homo sapiens (human)]
Official Symbol	MPO
Synonyms	MPO; myeloperoxidase
Gene ID	4353
mRNA Refseq	NM_000250.1
Protein Refseq	NP_000241.1
MIM	606989
UniProt ID	P05164

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