

Recombinant Human MPO Protein (Cys606-Ser745), N-His tagged

Cat. No. MPO-4594H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human MPO (Cys606-Ser745) fused with the N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Cys606-Ser745
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	Lyophilized powder/frozen liquid
Molecular Mass	18.04 kDa
Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.

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Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	0.01M PBS, pH 7.4, 0.02% NLS
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

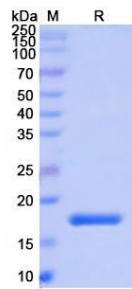
Gene Name	MPO myeloperoxidase [Homo sapiens (human)]
Official Symbol	MPO
Synonyms	MPO; myeloperoxidase; EC 1.11.2.2
Gene ID	4353
mRNA Refseq	NM_000250
Protein Refseq	NP_000241
MIM	606989
UniProt ID	P05164

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SDS-PAGE



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