Recombinant Human MPO Protein (Trx Tag)

RPES8075

Product Information

Product SKU:	RPES8075	**Expression Host**:	E.coli	**Size**:	20µg
Tag:	N-Trx	**Reactivity**:	Human	**Accession**:	P05164

Additional Information

Calculated MW:	35.2 kDa	**Observed MW:**	35 kDa
Sequence:	Cys606-Ser745		

Protein Information

Background: 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.

Synonyms: fj80f, wu:fj80f, MPO, 84 kDa myeloperoxidase, 89 kDa myeloperoxidase, EC 1.11.1.7, EC1.11.2.2, fj80f04, mpx, myeloid-specific peroxidase, Myeloperoxidase, Myeloperoxidase heavy chain, Myeloperoxidase light chain, PERM, wu:fj80f04, 84 kDa myeloperoxidase, Myeloperoxidase, 84 kDa myeloperoxidase, 89 kDa myeloperoxidase, EC 1.11.1.7, EC1.11.2.2, fj80f04, MPO, mpx, myeloid-specific peroxidase, Myeloperoxidase, Myeloperoxidase heavy chain, Myeloperoxidase light chain, PERM, wu:fj80f04

Endotoxin: < 10 EU/mg of the protein as determined by the LAL method

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

Purity: > 90% as determined by reducing SDS-PAGE.

Bio-Activity: Not validated for activity

Contact Details | Dublin, Ireland
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Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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