

Product datasheet for PH316029

Myeloperoxidase (MPO) (NM_000250) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MPO MS Standard C13 and N15-labeled recombinant protein (NP_000241)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216029
Predicted MW:	83.7 kDa
Protein Sequence:	>RC216029 representing NM_000250 Red=Cloning site Green=Tags(s)
	<p>MGVPPFSSLRCMVDLGPCWAGGLTAEMKLLALAGLLAILATPQPSEGAAPAVLGEVDTSLVLSMEEAK QLVDKAYKERRESIKQLRSGSASPMELLSYFKQPVAATRTRAVRAADYLHVALDLLERKLRSLWRRPFNV TDVLTPAQLNVLKSSGAYQDVGVTCPEQDKYRTITGMCNRRSPTLGASNRAFRVWLP AEYEDGFSLP YGWTPGVKRNQFPVALARAVSNEIVRFPTDQLTPDQERSLMFMQWQQLLDHDLDFTEPEAARASVFTGVN CETSCVQQPPCFPLKIPPNDPRIKNQADCIPFFRSCPACPGSNITIRNQINALTSFVDASMVYGSEELA RNLRNMSNQLGLLAVNQRFQDNGRALLPFDNLHDDPCLLTNRSARIPCFLAGDTRSEMPELTSMHLLL REHNRLATELKS LNPRWDGERLYQEARKIVGAMVQIITYRDYLPVLGPTAMRKYLP TYRSYNDSDVPRI ANVFTNAFRYGH TLIQPFMFRLDNRYQPMENRVP LSRVFFASWRVVLEGGIDPILRGLMATPAKLNQ NQIAVDEIRERLFEQVMRIGLDLPALNMQRSDHGLPGYNARRFCGLPQPETVGQLGTVLRNLKLARKL MEQYGTNNIDIWGGVSEPLKRKGRVGPLLACIIGTQFRKLRDGRFVWENEGVFSMQQRQALAQISLP RIICDNTGITTVSKNNIFMSNSYPRDFVNCSTLPALNLASWREAS</p> <p>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000241



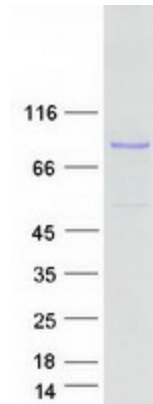
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RefSeq Size: 3215
RefSeq ORF: 2235
Locus ID: 4353
UniProt ID: [P05164](#)
Cytogenetics: 17q22

Summary: 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. [provided by RefSeq, Nov 2014]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified MPO protein (Cat# [TP316029]). The protein was produced from HEK293T cells transfected with MPO cDNA clone (Cat# [RC216029]) using MegaTran 2.0 (Cat# [TT210002]).