

Product datasheet for **RC216029L3V**

Myeloperoxidase (MPO) (NM_000250) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Myeloperoxidase (MPO) (NM_000250) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | Myeloperoxidase |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_000250 |
| ORF Size: | 2235 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC216029). |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| RefSeq: | NM_000250.1 |
| RefSeq Size: | 3215 bp |
| RefSeq ORF: | 2238 bp |
| Locus ID: | 4353 |
| UniProt ID: | P05164 |
| Cytogenetics: | 17q22 |
| Domains: | An_peroxidase |
| Protein Families: | Druggable Genome |
| MW: | 83.7 kDa |



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Gene 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]