

# Recombinant Human HMOX1 protein, His-tagged

**Cat. No.** HMOX1-6746H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human HMOX1 protein(151-288 aa), fused with N-terminal His tag, was expressed in E. coli.                                                                                                                                                |
| <b>ProteinLength</b>    | 151-288 aa                                                                                                                                                                                                                                           |
| <b>Tag</b>              | N-His                                                                                                                                                                                                                                                |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.              |
| <b>Purity</b>           | 90%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                             |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.       |
| <b>Reconstitution</b>   | Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage. |
| <b>AA Sequence</b>      | AQKALDLPSSGEGLAFFTFPNIASATKFKQLYRSRMNSLEMPAVRQQRVIEEAKTAFL<br>LNIQLFEELQELLTHDTKDQSPSRAPGLRQRASNKVQDSAPVETPRGKPLNTRSQ<br>APLLRWVLTLSFLVATVAVGLYAM                                                                                                    |

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## GENE INFORMATION

|                        |                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | HMOX1 heme oxygenase (decycling) 1 [ Homo sapiens ]                                                            |
| <b>Official Symbol</b> | HMOX1                                                                                                          |
| <b>Synonyms</b>        | HMOX1; heme oxygenase (decycling) 1; heme oxygenase 1; bK286B10; HO 1; heat shock protein, 32-kD; HO-1; HSP32; |
| <b>Gene ID</b>         | 3162                                                                                                           |
| <b>mRNA Refseq</b>     | NM_002133                                                                                                      |
| <b>Protein Refseq</b>  | NP_002124                                                                                                      |
| <b>MIM</b>             | 141250                                                                                                         |
| <b>UniProt ID</b>      | P09601                                                                                                         |

## SDS-PAGE



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