

## Recombinant Human HMOX1 protein, His-tagged

**Cat. No.** HMOX1-1556H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant HMOX1 protein without the trans-membrane domain was expressed in E. coli with 6xHis tag.                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | Heme oxygenase cleaves the heme ring at the alpha methene bridge to form biliverdin. Biliverdin is subsequently converted to bilirubin by biliverdin reductase. Under physiological conditions, the activity of heme oxygenase is highest in the spleen, where senescent erythrocytes are sequestered and destroyed. |
| <b>Form</b>             | 20 mM Tris-HCl, pH 7.5, 50 mM NaCl, and 10% glycerol.                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 32 kDa                                                                                                                                                                                                                                                                                                               |
| <b>Storage</b>          | Stable for 2 years at -70 centigrade from date of shipment. Please aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                   |

### GENE INFORMATION

|                        |                                                     |
|------------------------|-----------------------------------------------------|
| <b>Gene Name</b>       | HMOX1 heme oxygenase (decycling) 1 [ Homo sapiens ] |
| <b>Official Symbol</b> | HMOX1                                               |

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|-----------------------|----------------------------------------------------------------------------------------------------------------|
| <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>        | <a href="#">3162</a>                                                                                           |
| <b>mRNA Refseq</b>    | <a href="#">NM_002133</a>                                                                                      |
| <b>Protein Refseq</b> | <a href="#">NP_002124</a>                                                                                      |
| <b>MIM</b>            | <a href="#">141250</a>                                                                                         |
| <b>UniProt ID</b>     | <a href="#">P09601</a>                                                                                         |

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