

## Recombinant Human HMBS Protein

| Catalog #                 | Source  | Reactivity | Applications        |
|---------------------------|---|------------|---------------------|
| CRP1668                   | Human cells   | Human      | E, WB, SDS-PAGE, MS |
| <b>Description</b>        | Recombinant Human HMBS Protein is produced by our mammalian expression system and the target gene encoding Ser2-His361 is expressed with a 6His tag at the C-terminus.  |            |                     |
| <b>Form</b>               | Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.   |            |                     |
| <b>Gene Symbol</b>        | HMBS  |            |                     |
| <b>Alternative Names</b>  | PBGD; UPS; Porphobilinogen deaminase; PBG-D; Hydroxymethylbilane synthase; HMBS; Pre-uroporphyrinogen synthase  |            |                     |
| <b>Entrez Gene</b>        | 3145 (Human)  |            |                     |
| <b>SwissProt</b>          | P08397 (Human)  |            |                     |
| <b>Purity</b>             | Greater than 95% as determined by reducing SDS-PAGE.  |            |                     |
| <b>Chemical Structure</b> | SGNGNAAATA EENSPKMRVI RVGTRKSQLA RIQTDSVVAT LKASYPGLQF EIIAMSTTGD<br>KILDOTALSKI GEKSLFTKEL EHALEKNEVD LVVHSLKDLP TVLPPGFTIG AICKRENPHD<br>AVVFHPKFVVG KTLETLPEKS VVGTTSSLRRA AQLQRKFPHL EFRSIRGNLN TRLRKLDEQQ<br>EFSAILATA GLQRMGWHNR VGQILHPEEC MYAVGQGALG VEVRAKDQDI LDLVGV LHDP<br>ETLRLCIAER AFLRHLEGGC SVPVAVHTAM KDGQLYLTGG VWSLDGSDSI QETMQATIHV<br>PAQHEDGPED DPQLVGITAR NIPRGPQLAA QNLGISLANL LLSKGAKNIL DVARQLNDAH<br>VDHHHHHH |            |                     |
| <b>Quality Control</b>    | Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.  |            |                     |
| <b>Directions for Use</b> | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize  |            |                     |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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## Product Data Sheet

freeze-thaw cycles.

### Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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