

## Recombinant Human GLRX2 protein, His-tagged

**Cat. No.** GLRX2-6855H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human GLRX2 protein(1-148 aa), fused with N-terminal His tag, was expressed in E.coli.                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 1-148 aa                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole. |
| <b>AASequence</b>       | RSGSAGWLDRAAGAAGAAAAAASGMESNTSSSLENLATAPVNQIQETISDNCVVIFS<br>KTSCSYCTMAKKLFHDMNVNYKVVLDLLEYGNQFQDALYKMTGERTVPRI FVNGT<br>FIGGATDTHRLHKEGKLLPLVHQCYLKSKRKEFQ                                                                                                                                                                                                                  |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. 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>   | Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25                                                                                                                                                                                                                                                                                      |

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g/μl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

## GENE INFORMATION

|                 |                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------|
| Gene Name       | GLRX2 glutaredoxin 2 [ Homo sapiens ]                                                                  |
| Official Symbol | GLRX2                                                                                                  |
| Synonyms        | GLRX2; glutaredoxin 2; bA101E13.1; bA101E13.1 (GRX2 glutaredoxin (thioltransferase) 2); GRX2; CGI-133; |
| Gene ID         | 51022                                                                                                  |
| mRNA Refseq     | NM_001243399                                                                                           |
| Protein Refseq  | NP_001230328                                                                                           |
| MIM             | 606820                                                                                                 |
| UniProt ID      | Q9NS18                                                                                                 |

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**SDS-PAGE**

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