

## Recombinant Escherichia coli GMHA Protein (1-192 aa), His-SUMO-tagged

**Cat. No.** GMHA-2013E    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Escherichia coli (strain K12) GMHA Protein (1-192 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Microbiology. Protein Description: Full Length. |
| <b>Species</b>          | E.coli                                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 1-192 aa                                                                                                                                                                                                                                  |
| <b>Description</b>      | Catalyzes the isomerization of sedoheptulose 7-phosphate in D-glycero-D-manno-heptose 7-phosphate.                                                                                                                                        |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 36.8 kDa                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MYQDLIRNELNEAAETLANFLKDDANIHAIQRAAVLLADSFKAGGKVLSCGNGGSHC<br>DAMHFAEELTGRYRENRPGYPAIAISDVSHISCVGNDFGFNDIFSRVVEAVGREGDV<br>LLGISTSGNSANVIKAAAREKGMKVITLTGKDGGKMAGTADIEIRVPHFGYADRIQE<br>IHIKVIHILIQIEKEMVK                                 |
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                          |

 Tel: 1-631-559-9269    1-516-512-3133

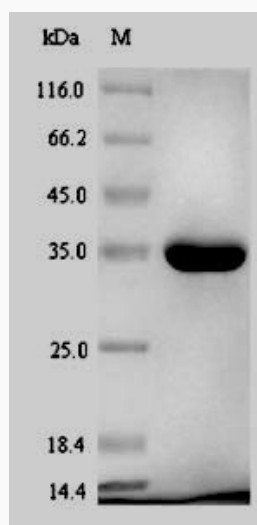
 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                      |                                                                                                                                                                                                                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>         | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>       | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b> | A hardcopy of COA with reconstitution instruction is sent along with the products.                                                                                                                                                                                                                                  |

## GENE INFORMATION

|                   |                                            |
|-------------------|--------------------------------------------|
| <b>Synonyms</b>   | gmhA; Sedoheptulose 7-phosphate isomerase; |
| <b>UniProt ID</b> | <a href="#">P63224</a>                     |



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA