

# Human HAGH / GLO2 / Glyoxalase II Protein (His Tag)

Catalog Number: 12146-H08E



Sino Biological  
Biological Solution Specialist

## General Information

### Gene Name Synonym:

GLO2; GLX2; GLXII; HAGH1

### Protein Construction:

A DNA sequence encoding the mature form of human HAGH isoform 2 (Q16775-2) (Met 1-Asp 260) was fused with a polyhistidine tag at the C-terminus

**Source:** Human

**Expression Host:** E. coli

## QC Testing

**Purity:** > 96 % as determined by SDS-PAGE

### Endotoxin:

Please contact us for more information.

### Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

**Predicted N terminal:** Met

### Molecular Mass:

The recombinant human HAGH consisting of 270 amino acids and has a calculated molecular mass of 30.2 kDa. It migrates as an approximately 19 kDa band in SDS-PAGE under reducing conditions

### Formulation:

Lyophilized from sterile 20mM Tris, 0.15 M NaCl, 10% glycerol, pH 7.5

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage:

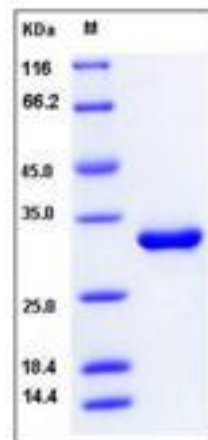
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

### Reconstitution:

Detailed reconstitution instructions are sent along with the products.

## SDS-PAGE:



## References

1. Mulley JC, *et al.* (1987). New regional localisations for HAGH and PGP on human chromosome 16. *Hum Genet* 74 (4): 423-4. 2. Rulli A, *et al.* (2001). Expression of glyoxalase I and II in normal and breast cancer tissues. *Breast Cancer Res. Treat.* 66 (1): 67-72. 3. Cordell PA, *et al.* (2004). The Human hydroxyacylglutathione hydrolase (HAGH) gene encodes both cytosolic and mitochondrial forms of glyoxalase II. *J Biol Chem.* 279 (27): 28653-61.

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