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

Catalog Number: **12146-H08E**

Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

GLO2; GLX2; GLXII; HAGH1; BC019817; Glo-2; Glo2; Rsp29

Protein Construction:

A DNA sequence encoding the mature form of human HAGH isoform 2 (Q16775-2) (Met 1-Asp 260) was fused with a polyhistide 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 ℃

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:

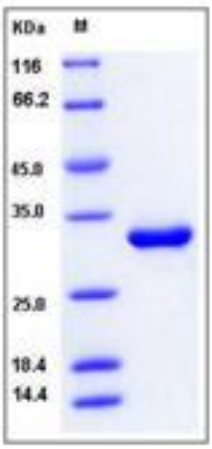
Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

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.