

HAGH, 1-260aa, Human, His tag, E.coli

Cat.NO.: TP02396

3th Edition

Synonyms:Hydroxyacylglutathione hydrolase, GLO, GLX2, Glyoxalase II, HAGH1

Description:HAGH is a member of the glyoxalase family and a thiolesterase which hydrolyses S-lactoyl-glutathione to reduced glutathione and D-lactate. This protein is a detoxifying enzyme of glycolysis byproduct methylglyoxal and a target of p63 and p73 and serves as a pro-survival factor of the p53 family. It exists only as a monomer and binds two zinc ions per subunit.

Form:Liquid. In 20 mM Tris-HCl Buffer (pH 8.5) containing 10% Glycerol

Molecular Weight:31.4 kDa (284aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSHMKVEVLPALTDNYMYLVIDDETKEAAIVDPVQPQKVVDAAARKHGVKLTTVL
TTHHHWDHAGGNEKLVKLESGLKVYGGDDRIGALTHKITHLSTLQVGS�NVKCLATPCHTSGHICYFVSKPGGSEP
PAVFTGDTLFFVAGCGKFYEGTADEMCKALLEVLGRLPPDTRVYCGHEYTINNLKFARHVEPGNAAIREKLAWAKEK
YSIGIPTVPSTLAEFTYNPFMRVREKTVQQHAGETDPVTTMRAVRREKDQFKMPRD

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.