

**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  
PAVFTGDTLFFVAGCGKFYEGTADCMCKALLEVLGRLPPDTRVYCGHEYTINNLFARHVEPGNAAIREKLAWAKEK  
YSIGEPTVPSTLAEFTYNPFMRVREKTVQQHAGETDPVTTMRAVRREKDQFKMPRD

**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.