

32-2424: HAGH Recombinant Protein

Alternative Name : GLX2,Glyoxalase II,GLO2,Hydroxyacyl Glutathione Hydrolase,HAGH1,GLXII,Hydroxyacylglutathione Hydrolase,hydroxyacylglutathione hydroxylase.

Description

Source : Escherichia Coli. HAGH produced in E.Coli is a single, non-glycosylated polypeptide chain containing 284 amino acids (1-260a.a.) and having a molecular mass of 31.4kDa.HAGH is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. HAGH is a part of the glyoxalase family and a thiolesterase which hydrolyses S-lactoyl-glutathione to reduced glutathione and D-lactate. HAGH 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. HAGH appears only as a monomer and binds two zinc ions per subunit.

Product Info

Amount : 10 µg
Purification : Greater than 95% as determined by SDS-PAGE.
Content : The HAGH protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl Buffer (pH 8.5) and 10% Glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.For long term it is recommended to add a carrier protein (0.1% HSA or BSA).Please avoid freeze thaw cycles.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSHMKVEVL PALTDNYMYL VIDDETKEAA IVDPVQPQKV
VDAARKHGK LTTVLTHHH WDHAGGNEKL VKLESGLKVY GGDDRIGALT HKITHLSTLQ VGSLNVKCLA
TPCHTSGHIC YFVSKPGGSE PPAVFTGDTL FVAGCGKFYE GTADEMCKAL LEVLGRLPPD TRVYCGHEYT
INNLFARHV EPGNAAIKREK LAWAKEKYSI GEPTVPSTLA EEFTYNPFMR VREKTVQQA GETDPVTTMR
AVRREKDQFK MPRD.