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Datasheet for ABIN7196142 HAGH Protein (His tag)

Overview

Quantity:	50 µg
Target:	HAGH
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HAGH protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human HAGH/GLO2/Glyoxalase II Protein (His Tag)
Sequence:	Met 1-Asp 260
Characteristics:	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
Purity:	> 96 % as determined by reducing SDS-PAGE.

Target Details

Target:	HAGH
Alternative Name:	HAGH/GLO2/Glyoxalase II (HAGH Products)
Background:	Background: The limbic system-associated membrane protein (LAMP) is a cell surface glycoprotein expressed by cortical and subcortical regions of the mammalian CNS that comprise or receive direct projections from limbic system structures. The 64-68- kDa glycoprotein limbic system-associated membrane protein (LsAMP) is expressed on the surface

Target Details

of somata and proximal dendrites of neurons. These areas perform cognitive and autonomic functions, also learning and memory. The functional analysis indicates that LsAMP acts as a selective adhesion molecule, serving as a guidance cue for specific patterns of connectivity, which underlies the normal development of the limbic system. In animal studies there have been found that rats with increased level of anxiety had 1.6-fold higher expression of LsAMP gene in the periaqueductal gray compared to rats with low level of anxiety, indicating a possible role of LsAMP in the regulation of anxiety.

Synonym: GLO2, GLX2, GLXII, HAGH1

Molecular Weight:	30.2 kDa
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from sterile 20 mM Tris, 0.15 M NaCl, 10 % glycerol, pH 7.5
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Storage:	4 °C, -20 °C, -80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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