

Datasheet for ABIN935087
HMOX2 Protein (AA 1-264)



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1 Image

Overview

Quantity:	100 µg
Target:	HMOX2
Protein Characteristics:	AA 1-264
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MSAEVETSEG VDESEKKNNG ALEKENQMRM ADLSELLKEG TKEAHDRAEN TQFVKDFLKG NIKKELFKLA TTALYFTYSA LEEEMERNKD HPAFAPLYFP MELHRKEALT KDMYFFGEN WEEQVQCPKA AQKYVERIH YIGQNEPELLV AHAYTRYMGD LSGGQVLKKV AQRALKLPST GEGTQFYLF E NVDNAQQFKQ LYRARMNALD LNMKTKERIV EEANKAFEYN MQIFNELDQA GSTLARETLE DGFPVHDGKG DMRK
Characteristics:	Purified recombinant Human HMOX2 protein Expression System: E.coli
Purity:	> 90 % pure

Target Details

Target:	HMOX2
Alternative Name:	HMOX2 (HMOX2 Products)

Target Details

Background: HMOX2 is a microsomal enzyme that cleave heme ring at the alpha methane bridge to produce the antioxidant biliverdin, inorganic iron and carbon monoxide. Biliverdin is subsequently converted to bilirubin by biliverdin reductase. This protein appears to be constitutively expressed in mammalian tissues. HMOX2 is involved in the production of carbon monoxide (CO) in brain, where CO is thought to act as a neurotransmitter. Recombinant HMOX2 protein was expressed in E. coli and purified by using conventional chromatography techniques.

Alternative Names: HO2, HMOX 2 protein, HMOX-2, HO 2 protein, HMOX-2 protein, HMOX2 protein protein, HMOX 2, protein, HMOX 2 protein, HMOX2, Heme oxygenase (decyclizing) 2 protein, Heme oxygenase 2 Heme oxygenase (decycling) 2 protein

Molecular Weight: 30.5 kDa (264 AA)

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Application Notes: HMOX2 protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Supplied as a liquid in 20 mM Tris buffer, pH 8.0, containing 10 % glycerol and 0 mM DTT.

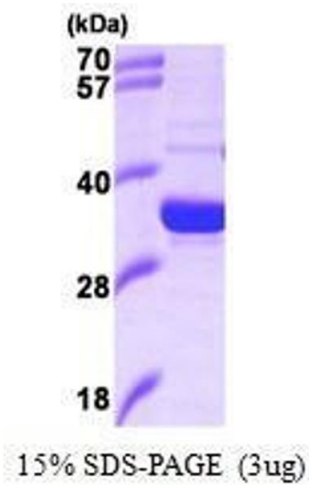
Preservative: Dithiothreitol (DTT)

Precaution of Use: This product contains Dithiothreitol: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: RT/-20 °C

Storage Comment: Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.



SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.