

Product Information

MemDX™ Membrane Protein Human HMOX1 (Heme oxygenase 1) expressed in E. coli for Antibody Discovery

Cat. No.: **MP0017Q**

This product is for research use only and is not intended for diagnostic use.

This product is a 31.4 kDa Human HMOX1 membrane protein expressed in E. coli. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

HMOX1

Protein Length

Partial

Protein Class

Druggable Genome, Transmembrane

Molecular Weight

31.4 kDa

Sequence

MERPQPHSMPQDLSEALKEATKEVHTQAENAEFMRNFQKGQVTRDGFKLVMASLYHIYVALEEEIERNKESPVFAPVYFPEELHRK
LSGGQVLKKAQKALDLPSSGEGLAFFTFPNIASATKFKQLYRSRMNSLEMTPAVRQRVIEEAKTAFLN IQLFEELQELLTHDTKDQ

Product Description

Expression Systems

E. coli

Tag

His

Form

Powder

Endotoxin

< 1.0 EU per 1 microgram of protein

Purification

Conventional chromatography

Purity

>95% by SDS - PAGE

Buffer

20 mM Tris-HCl buffer (pH 8.0) containing 50mM NaCl, 0.1mM PMSF, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

HMOX1

Full Name

Heme oxygenase 1

Introduction

Heme oxygenase, an essential enzyme in heme catabolism, cleaves heme to form biliverdin, which is subsequently converted to bilirubin by biliverdin reductase, and carbon monoxide, a putative neurotransmitter. Heme oxygenase activity is induced by its substrate heme and by various nonheme substances. Heme oxygenase occurs as 2 isozymes, an inducible heme oxygenase-1 and a constitutive heme oxygenase-2. HMOX1 and HMOX2 belong to the heme oxygenase family.

Alternative Names

BK286B10; HMOX1D; HO-1; HSP32; heme oxygenase 1; heat shock protein, 32 kD; heme oxygenase (decycling) 1

Gene ID

[3162](#)

UniProt ID

[P09601](#)