

Product Information

MemDX™ Membrane Protein Human HMOX2 (Heme oxygenase 2) expressed in E. coli for Antibody Discovery

Cat. No.: **MP0007Q**

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

This product is a 30.5 kDa Human HMOX2 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

HMOX2

Protein Length

Partial

Protein Class

Transmembrane

Molecular Weight

30.5 kDa

Sequence

MSAEVETSEGVDESEKKNSGALEKENQMRMADLSELLKEGTKEAHDRAENTQFVKDFLKGNIKKELFKLATTALYFTYSALEEEME
DGFPVHDGKG DMRK

Product Description

Expression Systems

E. coli

Form

Powder

Purification

Conventional chromatography

Purity

>90% by SDS - PAGE

Buffer

20 mM Tris buffer (pH 8.0) containing 10% glycerol, 1 mM DTT

Storage

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

Target

Target Protein

HMOX2

Full Name

Heme oxygenase 2

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. Several alternatively spliced transcript variants encoding three different isoforms have been found for this gene.

Alternative Names

HO-2; heme oxygenase 2; heme oxygenase (decycling) 2

Gene ID

[3163](#)

UniProt ID

[P30519](#)