

AR09369PU-L

Human Heme oxygenase 2 (HMOX2) (1-264) - Purified

Alternate names:

HO-2, HO2

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

HMOX2 is 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.

Uniprot ID:
[P30519](#)
NCBI:
[NP_002125](#)
GeneID:
[3163](#)
Species:

Human

Source:

E. coli

Format:
State: Liquid purified protein

Purity: >90% by SDS – PAGE

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

Description:

Recombinant HMOX2 protein was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MSAEVETSEG VDESEKKNSG ALEKENQMRM ADLSELLKEG TKEAHDRAEN TQFVKDFLKG
NIKKELFKLA TTALYFTYSA LEEEMERNKD HPAFAPLYFP MELHRKEALT KDMEYFFGEN
WEEQVQCPKA AQKYVERIHY IGQNEPELLV AHAYTRYMGD LSGGQVLKKV AQRALKLPST
GEGTQFYLF E NVDNAQQFKQ LYRARMNALD LNMKTKERIV EEANKAFEYN MQIFNELDQA
GSTLARETLE DGFVPVHDGKG DMRK

Molecular weight: 30.5 kDa (264 aa)

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

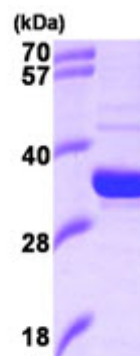
Shelf life: one year from despatch.

General Readings:

Baranano DE., et al. (2001) Proc Natl Acad Sci U S A. 98(20):10996-1002.

Dore S., et al. (2002) Free Radic Biol Med. 32(12):1276-82.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human HMOX2, 1-264 aa:
15% SDS-PAGE (3 μ g)

