

**HMOX2, 1-264aa, Human, E.coli**

**Cat.NO.: TP02474**

3th Edition

**Synonyms:**Heme oxygenase 2, HO-2.

**Description:**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.

**Form:**Liquid. In 20mM Tris buffer(pH 8.0) containing 10% glycerol 1mM DTT.

**Molecular Weight:**30.5 kDa (264aa)

**Sequences:**

MSAEVETSEGVDESEKKNSGALEKENQMRMADLSELLKEGTKEAHDRAENTQFVKDFLKGNIKKELFKLATTALYF  
TYSALEEEMERNKDHPAFAPLYFPMELHRKEALTKDMEYFFGENWEEQVQCPKAAQKYVERIHIGQNEPELLVA  
HAYTRYMGDLGGQVLKKVAQRALKLPSTGEGTQFYLFENVDNAQQFKQLYRARMNALDLNMKTKERIVEEANKA  
FEYNMQIFNELDQAGSTLARETLEDGFPVHDGKGDMRK

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.