

Product datasheet for **AR09369PU-L**

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

Product data:

Product Type:	Recombinant Proteins
Description:	Heme oxygenase 2 (HMOX2) (1-264) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MSAEVETSEG VDESEKKN SG ALEKENQMRM ADLSELLKEG TKEAH DRAEN TQFVKDFLKG NIKKELFKLA TTALYFTYSA LEEEMERNKD HPAFAPLYFP MELHRKEALT KDMEYFFGEN WEEQVQCPKA AQKYVERIHY IGQNEPELLV AHAYTRYMGD LSGGQVLKKV AQRALKLPST GEGTQFYLF E NVDNAQQFKQ LYRARMNALD LNMKTKERIV EEANKAFEYN MQIFNELDQA GSTLARETLE DGFPVHDGKG DMRK
Predicted MW:	30.5 kDa
Concentration:	lot specific
Purity:	>90% by SDS – PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris buffer (pH 8.0) containing 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant HMOX2 protein was expressed in E.coli and purified by using conventional chromatography techniques.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001120676
Locus ID:	3163
UniProt ID:	P30519
Cytogenetics:	16p13.3
Synonyms:	HO-2



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Summary:

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. [provided by RefSeq, Oct 2013]

Protein Families:

Transmembrane

Protein Pathways:

Porphyrin and chlorophyll metabolism

Product images: