

Product datasheet for **TP301777L**

Heme oxygenase 2 (HMOX2) (NM_002134) Human Recombinant Protein

Product data:

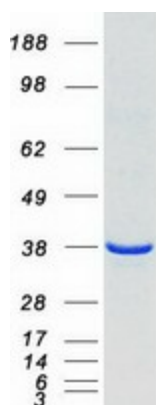
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human heme oxygenase (decycling) 2 (HMOX2), transcript variant 3, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201777 protein sequence Red =Cloning site Green =Tags(s)
	MSAEVETSEGVDSEKKNSGALEKENQMRMADLSELLKEGTKEAHDRAENTQFVKDFLKGNIKKELFKLA TTALYFTYSALEEEMERNKDHAPAFPLYFPMELHRKEALTKDMEYFFGENWEEQVQCPKAAQKYVERIH IGQNEPELLVAHAYTRYMGDLGGQVLKKVAQRALKLPSTGEGTQFYLFENVDNAQQFKQLYRARMNAL D LNMKTKERIVEEANKAFEYNMQIFNELDQAGSTLARETLEDGFPVHDGKGDMRKCPFYAAEQDKGALEGS SCPFRTAMAVLRKPSLQFILAAGVALAAGLLAWYYM TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	35.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_002125</u>



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Locus ID:	3163
UniProt ID:	P30519
RefSeq Size:	1754
Cytogenetics:	16p13.3
RefSeq ORF:	948
Synonyms:	HO-2
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:



Coomassie blue staining of purified HMOX2 protein (Cat# [TP301777]). The protein was produced from HEK293T cells transfected with HMOX2 cDNA clone (Cat# [RC201777]) using MegaTran 2.0 (Cat# [TT210002]).