Recombinant Human FMO2 protein, His-tagged

Cat. No. FMO2-7843H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FMO2 protein(27-386 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	27-386 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na_2HPO_4, 17 mM NaH_2PO_4, 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients.
AASequence	EPTCFERTEDIGGVWRFKENVEDGRASIYQSVVTNTSKEMSCFSDFPMPEDFPNFL HNSKLLEYFRIFAKKFDLLKYIQFQTTVLSVRKCPDFSSSGQWKVVTQSNGKEQSAV FDAVMVCSGHHILPHIPLKSFPGMERFKGQYFHSRQYKHPDGFEGKRILVIGMGNS GSDIAVELSKNAAQVFISTRHGTWVMSRISEDGYPWDSVFHTRFRSMLRNVLPRTA VKWMIEQQMNRWFNHENYGLEPQNKYIMKEPVLNDDVPSRLLCGAIKVKSTVKELT ETSAIFEDGTVEENIDVIIFATGYSFSFPFLEDSLVKVENNMVSLYKYIFPAHLDKSTLA CIGLIQPLGSIFPTAELQA
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months,

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	reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name	FMO2 flavin containing monooxygenase 2 (non-functional) [Homo sapiens]
Official Symbol	FMO2
Synonyms	FMO2; flavin containing monooxygenase 2 (non-functional); flavin containing monooxygenase 2; dimethylaniline monooxygenase [N-oxide-forming] 2; FMO 2; FMO 1B1; FMO, pulmonary; dimethylaniline oxidase 2; pulmonary flavin-containing monooxygenase 2; FMO1B1; FLJ40826;
Gene ID	2327
mRNA Refseq	NM_001460
Protein Refseq	NP_001451
MIM	603955
UniProt ID	Q99518

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SDS-PAGE



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