Recombinant Human FMO2 Protein, His-tagged

Cat. No. FMO2-736H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FMO2(Gly295~Asn469) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly295~Asn469
Description	This gene encodes a flavin-containing monooxygenase family member. It is an NADPH-dependent enzyme that catalyzes the N-oxidation of some primary alkylamines through an N-hydroxylamine intermediate. However, some human populations contain an allele (FMO2*2A) with a premature stop codon, resulting in a protein that is C-terminally-truncated, has no catalytic activity, and is likely degraded rapidly. This gene is found in a cluster with other related family members on chromosome 1. Alternative splicing results in multiple transcript variants.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	23.4kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

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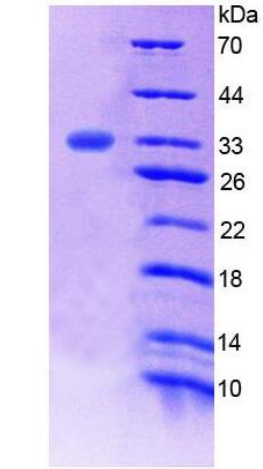
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

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

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UniProt ID	Q99518



15% SDS-PAGE

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