

Recombinant Full Length Rat Dimethylaniline Monooxygenase [N-Oxide-Forming] 4(Fmo4) Protein, His-Tagged

Cat. No. RFL13473RF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rat Dimethylaniline monooxygenase [N-oxide-forming] 4(Fmo4) Protein (Q8K4B7) (2-560aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Full Length of Mature Protein (2-560)
Form	Lyophilized powder
AA Sequence	AKKVAVIGAGVSGLSSIKCCLDENLEPTCFERSSDFGGLWKFAEASEDGMTRVYRS LVTN VCKEMSCYSDFPFHEDYPNFMSSHEKFWDYLRFAEHFGLLKYIRFKTTVRSV TKRPDFSE TGQWEVVTETEGKQDRAVFDAMVCTGQFLSPRLPLESFPGIHKFKG QILHSQEYRIPDA FRGKRILVVGLGNTGGDVAVELSGIAAQVFLSTRTGAWVRSS VGGYPLNMMQTRWRNF LAQVLPSRFVSWNQERQMNKIFNHENYGLSIAKGKKPKF IVNDELPTCILCGKITMKTSTV KDFTESSIVFEDGTIEANIDVVIFFTGYEFSFPFFEEPL KSLCTKKVILYKRVFPPNLER STLAIGLISLTGSILVGTEFQARWATRVFKGLCNIPPS QKLMAEAIKKEELIKRGVIKD TSQDKLDFISYMDLTQCIGAKPNIPLFLKDPRLAWE VFFGPCTPYQYRLMGPGRWDGA RNAILTQWDRTVKPLKTRTPKSPQEPASLSRYL KTWGAPVLIVSLLLIYKSSLFLELVQS KLQGRFSPSRILWYIPQNS
Purity	Greater than 90% as determined by SDS-PAGE.

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name	Fmo4
Synonyms	Fmo4; Dimethylaniline monooxygenase [N-oxide-forming] 4; Dimethylaniline oxidase 4; Hepatic flavin-containing monooxygenase 4; FMO 4
UniProt ID	Q8K4B7

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