

Product datasheet for TP520435

Fmo3 (NM_008030) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse flavin containing monooxygenase 3 (Fmo3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR220435 representing NM_008030
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MKKKVAIIGAGVSGLAAIRSCLEEGLEPTCFERSDDVGGWLWKFSDHIEEGRASIYQSVFTNSSKEMMCFP
DFPYPDDFPNFMHHSKLQEYITSFKEKNLLKYIQFETPVTSINKCPNFSTTGKWEVTEKHGKKETA
DATMICSGHHIFPHVPKDSFPGLNRFKGFHRSRDYKEPGIWKGRVVLVIGLNGSGCDIAAELSHVAQKV
TISSRSGSWMSRVWDDGYPWDMVVLTRFQTLKNNLPTAISDWYTRQMNARFKHENYGLVPLNRTLRLK
EPVFNDELPARILCGMVTIKPNVKEFTETSAVFEDGTMFEAIDCVIFATGYGYAYPFLDDSIKSRNNEV
TLYKGVFPQLEKPTMAVIGLVQSLGATIPITDLQARWAAQVIKGTCTLPSVNDMMDDIDEKMGKFKWY
GNSTTIQTDYIVYMEDELASFIGAKPNLLWFLKDPRLAVEVFFGPCSPYQFRLVGPVKWWSGARNALITQW
DRSLKPMKTRVWVKVQKSCSHFYSRLLRLLAVPVLIALFLVLI

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	61 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
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 after receiving vials.
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:	NP_032056



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Locus ID: 14262

UniProt ID: [P97501](#), [Q3UEN4](#), [Q8C7J1](#)

RefSeq Size: 2020

Cytogenetics: 1 70.34 cM

RefSeq ORF: 1602

Synonyms: AW111792

Summary: Essential hepatic enzyme that catalyzes the oxygenation of a wide variety of nitrogen- and sulfur-containing compounds including drugs as well as dietary compounds. Plays an important role in the metabolism of trimethylamine (TMA), via the production of trimethylamine N-oxide (TMAO) metabolite. TMA is generated by the action of gut microbiota using dietary precursors such as choline, choline containing compounds, betaine or L-carnitine. By regulating TMAO concentration, FMO3 directly impacts both platelet responsiveness and rate of thrombus formation.[UniProtKB/Swiss-Prot Function]