

Active Recombinant Human MAOB protein, His-tagged

Cat. No. MAOB-681H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAOB protein(Ser 2 - Val 520), fused with His tag, was expressed in Baculovirus-Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	Ser 2 - Val 520
Form	This product is not suitable for cell based experiments due to cytotoxicity of DDM.DDM and CHS are INDISPENSABLE to keep membrane protein soluble and active, under no circumstance should you remove DDM and CHS.DDM/CHS buffer (DC-11) is sold separately and not included in protein, and please contact us if you need the buffer.If glycerol is not compatible to your application, remove glycerol just before immediate experiment, and NEVER store glycerol-free protein solution.Supplied as 0.2 µm filtered solution in 50 mM HEPES, 150 mM NaCl, DDM, CHS, pH7.5 with glycerol as protectant.
Bio-activity	Measured by its ability to produce hydrogen peroxide during the oxidation of benzylamine. The specific activity is >35 pmol/min/µg.
Molecular Mass	This protein carries a polyhistidine tag at the N-terminusThe protein has a calculated MW of 60.6 kDa. The protein migrates as 55 kDa under reducing (R) condition (SDS-PAGE).

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	MAOB monoamine oxidase B [Homo sapiens]
Official Symbol	MAOB
Synonyms	MAOB; monoamine oxidase B; amine oxidase [flavin-containing] B; MAO-B; MAO, brain; MAO, platelet; tyramine oxidase; adrenalin oxidase; monoamine oxidase type B; MGC26382;
Gene ID	4129
mRNA Refseq	NM_000898
Protein Refseq	NP_000889
MIM	309860
UniProt ID	P27338

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