

Recombinant Human MOXD1, His-tagged

Cat. No. MOXD1-29354TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 53-417 of Human MOXD1 with N terminal His tag; MWt 42kDa.
Species	Human
Source	E.coli
ProteinLength	53-417 a.a.
Description	DBH-like monooxygenase protein 1, also known as monooxygenase X, is an enzyme that in humans is encoded by the MOXD1 gene.
Conjugation	HIS
Tissue specificity	Highly expressed in lung, kidney, brain and spinal cord.
Form	Lyophilised:Reconstitute with 135 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	QVRTAGYVGFGFSPTGAMASADIVVGGVAHGRPYLQDYFT NANRELKKDAQQDYH LEYAMENSTHTIIEFTRELHTCD INDKSITDSTVRVIWAYHHEDAGEAGPKYHDSNR

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GTKS LRLLNPEKTSVLSTALPYFDLVNQDVPIPNKDDTTYWCQ MFKIPVFQEKHHVIK
VEPVIQRGHESLVHHILLYQCSNNF NDSVLESGHECYHPNMPDAFLTCTVIFAWAI
GGEGFS YPPHVGLSLGTPLDPHYVLLEVHYDNPTYEEGLIDNSG LRLFYTMDIRKY
DAGVIEAGLWVSLFHTIPPGMPEFQS EGHCTLECLEEALEAEKPSGIHVFAVLLHAH
LAGRGIR LRHFRKGKEMKLLAYDDDF

Sequence
Similarities

Belongs to the copper type II ascorbate-dependent monooxygenase family. Contains 1 DOMON domain.

GENE INFORMATION

Gene Name [MOXD1 monooxygenase, DBH-like 1 \[Homo sapiens \]](#)

Official Symbol [MOXD1](#)

Synonyms MOXD1; monooxygenase, DBH-like 1; DBH-like monooxygenase protein 1; dJ248E1.1; DKFZP564G202; MOX;

Gene ID [26002](#)

mRNA Refseq [NM_015529](#)

Protein Refseq [NP_056344](#)

MIM [609000](#)

Uniprot ID [Q6UVY6](#)

Chromosome Location 6q23.2

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Function

copper ion binding; dopamine beta-monooxygenase activity; metal ion binding;

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