Recombinant Human Membrane Metallo-endopeptidase, His-tagged

Cat. No. MME-632H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Membrane Metallo-endopeptidase is produced in*Sf9 cells*andfused at the N-terminus to a His-tag. MW= 85 kDa.
Species	Human
Source	Sf9 Cells
Description	MME, or 2,4-dimethoxy-5-ethoxyamphetamine, is a lesser-known psychedelic drug. It is a dimethoxy-ethoxy analog of TMA-2. MME was first synthesized by Alexander Shulgin. In his book PiHKAL (Phenethylamines i Have Known And Loved), the minimum dosage is listed as 40 mg, and the duration listed as 6–10 hours. Shulgin gives MME a ++ on the Shulgin Rating Scale. Very little data exists about the pharmacological properties, metabolism, and toxicity of MME.
Concentration	0.23 μg/μl.
Purity	≥95% (SDS-PAGE).
Formulation	Liquid. In 50mM TRIS, pH 8.0. containing 300mM sodium chloride and 20% glycerol.
Specific Activity	1140 pmol/min/μg.
Application	Study enzyme kinetics, cleave target substrates, and screen for inhibitors.

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Storage And Stability	-80°C. After opening, prepare aliquots and store at -80°C. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	MME membrane metallo-endopeptidase [Homo sapiens]
Synonyms	MME; membrane metallo-endopeptidase; atriopeptidase; common acute lymphocytic leukemia antigen; enkephalinase; membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase); membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10); membrane metallo-endopeptidase variant 1; membrane metallo-endopeptidase variant 2; neprilysin; neutral endopeptidase 24.11; EC 3.4.24.11
Gene ID	4311
mRNA Refseq	NM_000902
Protein Refseq	NP_000893
MIM	120520
UniProt ID	P08473
Chromosome Location	3q25.1-q25.2
Pathway	Alzheimer"s disease; Hematopoietic cell lineage; Renin-angiotensin system
Function	metal ion binding; metalloendopeptidase activity; metallopeptidase activity; peptidase activity; peptide binding; zinc ion binding

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