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Datasheet for ABIN7316924

Monoamine Oxidase A Protein (MAOA) (His tag)

Overview

Quantity:	20 µg
Target:	Monoamine Oxidase A (MAOA)
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Monoamine Oxidase A protein is labelled with His tag.

Product Details

Purpose:	Human MAOA Protein, His Tag (active enzyme)
Sequence:	Glu 2 - Ser 527
Characteristics:	Human MAOA, His Tag is expressed from Baculovirus-Insect cells. It contains AA Glu 2 - Ser 527 (Accession # P21397-1).
Purity:	95,00 %
Endotoxin Level:	1.0 EU per µg
Biological Activity Comment:	Measured by its ability to produce hydrogen peroxide during the oxidation of Tyramine. The specific activity is >300 pmol/min/ug, as measured under the described conditions(QC tested).

Target Details

Target:	Monoamine Oxidase A (MAOA)
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Target Details

Alternative Name:	MAOA (MAOA Products)
Background:	Synonyms:N/A,Description:MAOA, Monoamine oxidase-A is an FAD-dependent mitochondrial enzyme, which, together with its isoenzyme MAO-B, catalyses the oxidative deamination of structurally diverse amines. MAOA is mainly involved in the metabolism of monoamine neurotransmitters, such as such as serotonin, dopamine, and norepinephrine. Inhibitors of MAOA are in clinical use for affective disorders and is approved to treat despression.
Molecular Weight:	61.6 kDa

Application Details

Comment:	This protein carries a polyhistidine tag at the N-terminus. The protein has a calculated MW of 61.6 kDa. The protein migrates as 60 kDa under reducing (R) condition (SDS-PAGE).
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	50 mM HEPES, 150 mM NaCl, DDM, CHS, pH 7.5
Storage:	-80 °C
Storage Comment:	-70°C