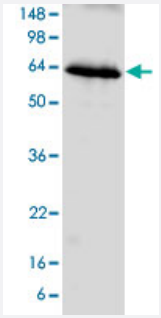
MAOB (Human) Recombinant Protein

Catalog # P3820 Size 10 ug

Applications



Specification

Product Description	Human MAOB (NP_000889.3, 2 a.a. - 489 a.a.) partial recombinant protein expressed in *Escherichia coli*.
Sequence	SNKCDVVVVGGGISGMAAAKLLHDSGLNVVVLEARDRVGGRTYTLRNQKVKYVDLGGSYVGPTQ NRILRLAKELGLETYKVNEVERLIHHVKGKSYPFRGPFPPVWNPITYLDHNNFWRTMDDMGREIPS DAPWKAPLAEEWDNMTMKELLDKLCWTESAKQLATLFVNLCVTAETHEVSALWFLWYVKQCG GTTRIISTTNGGQERKFVGGSGQVSERIMDLLGDRVKLERPVIYIDQTRENVLVETLNHEMYEAKYVI SAIPPTLGMKIHFNPPLPMMRNQMITRVPLGSVIKCIVYYKEPFWRKKDYCGTMIIDGEEAPVAYTLD DTKPEGNYAAIMGFILAHKARKLARLTKEERLKKLCELYAKVLGSLEALEPVHYEEKNWCEEQYS GGCYTTYFPPGILTQYGRVLRQPVDRIYFAGTETATHWSGYMEGAVEAGERAAREILHAMGKIPED EIWQSEPESVDVPAQPITTTFLERHLPSV
Host	Escherichia coli
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 95% by SDS-PAGE
Quality Control Testing	10% SDS-PAGE Result
Storage Buffer	In PBS (50% glycerol)

Storage Instruction	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — MAOB

Entrez GeneID	4129
Protein Accession#	NP_000889.3
Gene Name	MAOB
Gene Alias	MGC26382
Gene Description	monoamine oxidase B
Omim ID	309860
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the flavin monoamine oxidase family. It is a enzyme l ocated in the mitochondrial outer membrane. It catalyzes the oxidative deamination of biogenic an d xenobiotic amines and plays an important role in the metabolism of neuroactive and vasoactive amines in the central nervous sysytem and peripheral tissues. This protein preferentially degrades benzylamine and phenylethylamine. [provided by RefSeq
Other Designations	MAO, brain|MAO, platelet|adrenalin oxidase|tyramine oxidase

Pathway

- Arginine and proline metabolism
- Drug metabolism - cytochrome P450
- Glycine
- Histidine metabolism
- Metabolic pathways

- Phenylalanine metabolism
- Tryptophan metabolism
- Tyrosine metabolism

Disease

- Alcoholism
- Alzheimer disease
- Asperger Syndrome
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Basal Ganglia Diseases
- Body Weight
- Cardiovascular Diseases
- Cognition
- Combat Disorders
- Conduct Disorder
- Depressive Disorder
- Diabetes Mellitus
- Disease Models
- Disease Progression
- Dyskinesia
- Edema
- Fatigue Syndrome
- Genetic Predisposition to Disease
- Genetics
- Hallucinations

- Hepatitis
- Lewy Body Disease
- Mental Disorders
- Migraine Disorders
- NARP
- Obesity
- Ovarian Failure
- Pain
- Parkinson disease
- Perception
- Polycystic Ovary Syndrome
- Psychiatric Status Rating Scales
- Psychotic Disorders
- Puberty
- Restless Legs Syndrome
- Schizophrenia
- Schizophrenic Psychology
- Social Perception
- Thrombophilia
- Tobacco Use Disorder
- Weight Gain