✹ abeomics

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32-6839: MAOA Human

Alternative Name : Monoamine Oxidase A, Monoamine Oxidase Type A, EC 1.4.3.4, MAO-A, Amine Oxidase [Flavin-Containing] A, EC 1.4.3, Amine oxidase [flavin-containing] A, Monoamine oxidase type A.

Description

Source: E.coli.
Sterile Filtered colorless solution.
Monoamine Oxidase A, also known as MAOA catalyzes the oxidative deamination of biogenic as well as xenobiotic amines and has significant functions in the metabolism of neuroactive and vasoactive amines in the central nervous system as well as peripheral tissues. Mutation in MAOA results in Brunner syndrome; in addition MAOA has also been linked with a diversity of other psychiatric disorders, which includes antisocial behavior. MAOA preferentially oxidizes biogenic amines such as 5-hydroxytryptamine (5-HT).
MAOA Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 520 amino acids (1-497 a.a) and having a molecular mass of 58.8kDa. MAOA is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	5 µg / 20 µg
Purification :	Greater than 80% as determined by SDS-PAGE.
Content :	MAOA protein solution (0.5mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMENQEKA SIAGHMFDVV VIGGGISGLS AAKLLTEYGV SVLVLEARDR VGGRTYTIRN EHVDYVDVGG AYVGPTQNRI LRLSKELGIE TYKVNVSERL VQYVKGKTYP FRGAFPPVWN PIAYLDYNNL WRTIDNMGKE IPTDAPWEAQ HADKWDKMTM KELIDKICWT KTARRFAYLF VNINVTSEPH EVSALWFLWY VKQCGGTTRI FSVTNGGQER KFVGGSGQVS ERIMDLLGDQ VKLNHPVTHV DQSSDNIIIE TLNHEHYECK YVINAIPPTL TAKIHFRPEL PAERNQLIQR LPMGAVIKCM MYYKEAFWKK KDYCGCMIIE DEDAPISITL DDTKPDGSLP AIMGFILARK ADRLAKLHKE IRKKKICELY AKVLGSQEAL HPVHYEEKNW CEEQYSGGCY TAYFPPGIMT QYGRVIRQPV GRIFFAGTET ATKWSGYMEG AVEAGERAAR EVLNGLGKVT EKDIWVQEPE SKDVPAVEIT HTFWERNLPS.