

Datasheet for ABIN7557812

Monoamine Oxidase A Protein (MAOA) (AA 1-526) (His tag)



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Overview

Quantity:	1 mg
Target:	Monoamine Oxidase A (MAOA)
Protein Characteristics:	AA 1-526
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Monoamine Oxidase A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Maa Protein expressed in mammalian cells.
Sequence:	MTDLEKPSIT GHMFDVVVIG GGISGLAAAK LLSEYKINVL VLEARDRVGG RTYTVRNEHV KWVDVGGAYV GPTQNRILRL SKELGIETYK VNVNERLVQY VKGKTPFRG AFPPVWNPLA YLDYNNLWRT MDDMGKEIPV DAPWQARHAE EWDKITMKDL IDKICWTKTA REFAYLFVNI NVTSEPHEVS ALWFLWYVRQ CGGTSRIFSV TNGGQERKFV GSGGQISEQI MVLLGDKVKL SSPVTYIDQT DDNIIETLN HEHYECKYVI SAIPPVLTAK IHFKPELPPE RNQLIQLRPM GAVIKCMVYY KEAFWKKKDY CGCMIEDEE APISITLDDT KPDGSMPAIM GFILARKAER LAKLHKDIRK RKICELYAKV LGSQEALSPV HYEKNWCEE QYSGGCYTAY FPPGIMTLYG RVIRQPVGRI YFAGTETATQ WSGYMEGAVE AGERAAREVL NALGKVAKKD IWWQEPESKD VPALEITHTF LERNLPSVPG LLKITGFSTS VALLCFVLYK FKQPQS Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Product Details

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	Monoamine Oxidase A (MAOA)
Alternative Name:	Maoa (MAOA Products)
Background:	Amine oxidase [flavin-containing] A (EC 1.4.3.21) (EC 1.4.3.4) (Monoamine oxidase type A) (MAO-A),FUNCTION: Catalyzes the oxidative deamination of biogenic and xenobiotic amines and has important functions in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues (PubMed:7792602). Preferentially oxidizes serotonin (PubMed:7792602). Also catalyzes the oxidative deamination of kynuramine to 3-(2-aminophenyl)-3-oxopropanal that can spontaneously condense to 4-hydroxyquinoline (By similarity). {ECO:0000250 UniProtKB:P21396, ECO:0000269 PubMed:7792602}.
Molecular Weight:	59.6 kDa
UniProt:	Q64133

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months