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Datasheet for ABIN7562888

CYP2A4 Protein (AA 1-494) (His tag)

Overview

Quantity:	1 mg
Target:	CYP2A4
Protein Characteristics:	AA 1-494
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYP2A4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Cyp2a4 Protein expressed in mammalian cells.
Sequence:	<p>MLTSGLLLVA AVAFLSVLVL MSVWKQRKLS GKLPPGPTPL PFVGNFLQLN TEQMYNSLMK ISQRYGPVFT IYLGSRRIIV LCGQETVKEA LVDQAEFSG RGEQATFDWL FKGYGIAFSS GERAKQLRRF SITTLRDFGV GKRGIERIQ EEAGFLIDSF RKTNGAFIDP TFYLSRTVSN VISSIVGDR FDYEDKEFLS LLRMMLGSLQ FTATSMGQVY EMFSSVMKHL PGPQQQAFKE LQGLEDFITK KVEHNQRTL D PNSPRDFIDS FLIRMLEEK NPNTFYMKN LVLTTLNLF AGTETVSTTL RYGFLLMKY PDIEAKVHEE IDRVIGRNRQ PKYEDRMKMP YTEAVIHEIQ RFADLIPMGL ARRVTKDTKF RDFLLPKGTE VFPM LGSVLK DPKFFSNPKD FNPKHFLDDK GQFKKSDAFV PFSIGKRYCF GEGLARMELF LFLT NIMQNF HFKSTQEPQD IDVSPRLVGF VTIPPTYTMS FLSR 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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

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:

CYP2A4

Alternative Name:

Cyp2a4 ([CYP2A4 Products](#))

Background:

Cytochrome P450 2A4 (EC 1.14.14.1) (CYP11A4) (Cytochrome P450-15-alpha) (Cytochrome P450-IIA3.1) (Testosterone 15-alpha-hydroxylase),FUNCTION: Highly active in the 15-alpha-hydroxylation of testosterone. Also active in the 15-alpha-hydroxylation of progesterone and androstenedione. Little or no activity on corticosterone, pregnenolone, dehydroepiandrosterone, estradiol or estriol.

Molecular Weight:

56.8 kDa

UniProt:

[P15392](#)

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.

Application Details

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