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Datasheet for ABIN1634411 CYP7B1 Protein (AA 1-414) (His tag)

Overview

Quantity:	1 mg
Target:	CYP7B1
Protein Characteristics:	AA 1-414
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYP7B1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>ALEYQYVMKN PKQLSFEKFS RRLSAKAFSV KKLLTNDDLS NDIHRGYLLL QGKSLDGLLE</p> <p>TMIQEVKEIF ESRLKLTDW NTARVDFCS SLVFEITFTT IYGKILAANK KQIISLRDD</p> <p>FLKFDDHPY LVSDIPIQLL RNAEFMQKKI IKCLTPEKVA QMQRSEIVQ ERQEMLKKYY</p> <p>GHEEFEIGAH HLGLLWASLA NTIPAMFWAM YYLLQHPEAM EVLRDEIDSF LQSTGQKKGP</p> <p>GISVHFTREQ LDSLVCLESA ILEVLR LCSY SSIIREVQED MDFSSERSY RLRKGDFVAV</p> <p>FPPMIHNDPE VFDAPKDFRF DRFVEDGKKK TFFKGGKKL KSYIIPFLG TSKCPGRYFA</p> <p>INEMKLLVII LLTYFDLEVI DTKPIGLNHS RMFLGIQHPD SDISFRYKAK SWRS</p>
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	CYP7B1
Alternative Name:	25-hydroxycholesterol 7-alpha-hydroxylase (Cyp7b1) (CYP7B1 Products)
Background:	<p>Recommended name: 25-hydroxycholesterol 7-alpha-hydroxylase.</p> <p>EC= 1.14.13.100.</p> <p>Alternative name(s): Cytochrome P450 7B1 Hippocampal transcript 1 protein.</p> <p>Short name= HCT-1 Oxysterol 7-alpha-hydroxylase</p>
UniProt:	Q63688
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Steroid Hormone Biosynthesis , Regulation of Intracellular Steroid Hormone Receptor Signaling

Application Details

Comment:	<p>The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.