Datasheet for ABIN6388096

UMPS Protein (AA 1-480) (His tag)

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1 Image

Overview

Quantity:	100 µg
Target:	UMPS
Protein Characteristics:	AA 1-480
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This UMPS protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MAVARAALGP LVTGLYDVQA FKFGDFVLKS GLSSPIYIDL RGIVSRPRLL SQVADILFQT AQNAGISFDT VCGVPYTALP LATVICSTNQ IPMLIRRKET KDYGTKRLVE GTINPGETCL IIEDVVTSGS SVLETVEVLQ KEGLKVTDAI VLLDREQGGK DKLQAHGIRL HSVCTLSKML EILEQQKKVD AETVGRVKRF IQENVFVAAN HNGSPLSIKE APKELSFGAR AELPRIHPVA SKLLRLMQKK ETNLCLSADV SLARELLQLA DALGPSICML KTHVDILNDF TLDVMKELIT LAKCHEFLIF EDRKFADIGN TVKKQYEGGI FKIASWADLV NAHVVPGSGV VKGLQEVGLP LHRGCLLIAE MSSTGSLATG DYTRAAVRMA EEHSEFVVGF ISGSRVSMKP EFLHLTPGVQ LEAGGDNLGQ QYNSPQEVIG KRGSDIIIVG RGIISAADRL EAAEMYRKAA WEAYLSRLGV HHHHHH
Purity:	> 95 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1ug of protein (determined by LAL method)

Target Details

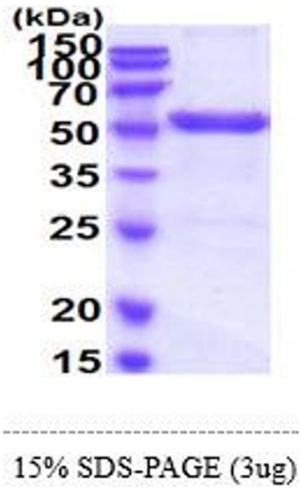
Target:	UMPS
Alternative Name:	UMPS (UMPS Products)
Background:	UMPS, also known as uridine 5'-monophosphate synthase, is a bifunctional enzyme catalyzing the last two steps of de novo pyrimidine biosynthesis. It is an indispensable component in this metabolic pathway and is a target for antimalarial and antitumor drugs. Its expression in colorectal carcinoma tissues is not correlated with the toxicities of 5-FU-based regimen, but It in the normal tissues can help predict the toxicities associated with 5-FU. Recombinant human UMPS, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	53kDa (486aa) 50-70kDa (SDS-PAGE under reducing conditions)
NCBI Accession:	NP_000364
UniProt:	P11172
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4).
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.

