Datasheet for ABIN7318923

HMBS Protein (His tag)

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Overview

Quantity:	50 µg
Target:	HMBS
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HMBS protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human HMBS Protein (His Tag)
Sequence:	Ser2-His361
Characteristics:	Recombinant Human Porphobilinogen Deaminase is produced by our Mammalian expression system and the target gene encoding Ser2-His361 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	HMBS
Alternative Name:	HMBS (HMBS Products)
Background:	Background: Porphobilinogen Deaminase (HMBS) is a member of the HMBS family. PBGD is the third enzyme of the heme biosynthetic pathway and catalyzes the head to tail condensation

Target Details

	of four porphobilinogen molecules into the linear hydroxymethylbilane. HMBS is involved in the production of heme, which is important for all of the body's organs, although it is most abundant in the blood, bone marrow, and liver. In addition, Heme is an essential component of iron-containing proteins called hemoproteins, including hemoglobin. Defects in PBGD are the cause of acute intermittent porphyria. Synonym: Porphobilinogen Deaminase, PBG-D, Hydroxymethylbilane Synthase, HMBS, Pre-Uroporphyrinogen Synthase, HMBS, PBGD, UPS
Molecular Weight:	40.5 kDa
UniProt:	P08397

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.