Recombinant Human HMBS Protein (His Tag)

Catalog No. PKSH032918

Note: Centrifuge before opening to ensure complete recovery of vial contents.

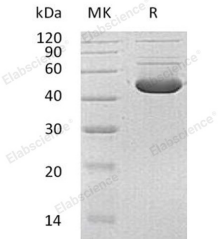
Description

Synonyms	Porphobilinogen Deaminase;PBG-D;Hydroxymethylbilane Synthase;HMBS;Pre-Uroporphyrinogen Synthase;HMBS;PBGD;UPS
Species	Human
Expression Host	HEK293 Cells
Sequence	Ser2-His361
Accession	P08397
Calculated Molecular Weight	40.5 kDa
Observed molecular weight	47 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 5% Trehalose, 5% mannitol, 50% Glycerol, 0.1% Tween80, pH7.4.
Reconstitution	Not Applicable

Data



> 90 % as determined by reducing SDS-PAGE.

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 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-

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containing proteins called hemoproteins, including hemoglobin. Defects in PBGD are the cause of acute intermittent porphyria.

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