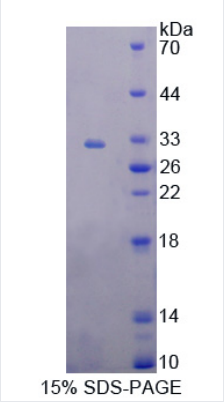
Hydroxymethylbilane Synthase (HMBS) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Hydroxymethylbilane Synthase (HMBS), Recombinant Protein
Full Product Name	Recombinant Hydroxymethylbilane Synthase (HMBS)
Product Gene Name	HMBS recombinant protein
Sequence	The target protein is fused with two N-terminal Tags, His-tag and T7-tag, its sequence is listed below. MGSSHHHHH H SSGLVPRGSH MASMTGGQQM GRGSEF- LEKNEV DLVVHSLKDL PTVLPPGFTI GAICKRENPH DAVVFHPKFV GKTLETLPEK SVVGTSSLRR AAQLQRKFPH LEFRSIRGNL NTRLRKLDEQ QEFSAIILAT AGLQRMGWHN RVGQILHPEE CMYAVGQGAL GVEVRAKDQD ILDLVGVLHD PETLLRCIAE RAFLRHLEGG CSVPVAVHTA MKDGQLYLTG GVWSLDGSDS IQETMQATIH VPAQHEDGPE DDPQLVGITA RNIPRGPQLA AQNLGIS
Host	Host: E Coli Source: Prokaryotic expression
Form/Format	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Purity/Purification	>95%
Concentration	6.5 (lot specific)
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: HMBS (MBS2026526) Immunogen: HMBS (MBS2031503)
Matching Pairs	APC-CY7 Conjugated Antibody: HMBS (MBS2074983) Immunogen: HMBS (MBS2031503)
Matching Pairs	PE Conjugated Antibody: HMBS (MBS2074984) Immunogen: HMBS (MBS2031503)
Matching Pairs	APC Conjugated Antibody: HMBS (MBS2074985) Immunogen: HMBS (MBS2031503)
Matching Pairs	Cy3 Conjugated Antibody: HMBS (MBS2074986) Immunogen: HMBS (MBS2031503)
Matching Pairs	FITC Conjugated Antibody: HMBS (MBS2074987) Immunogen: HMBS (MBS2031503)
Matching Pairs	HRP Conjugated Antibody: HMBS (MBS2074988) Immunogen: HMBS (MBS2031503)
Matching Pairs	Biotin Conjugated Antibody: HMBS (MBS2095785) Immunogen: HMBS (MBS2031503)
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Predicted Molecular Mass	31.6kDa
Accurate Molecular Mass (KD)	34kDa

Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Expression System	Prokaryotic expression
Tag	N-terminal His-Tag, T7 tag
Organism Species	Homo sapiens (Human)
Fragment	Leu85~Ser337
Usage	Reconstitute in sterile PBS, pH7.2-pH7.4.
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for HMBS recombinant protein	SDS-PAGE, Western Blot (WB), ELISA (EIA), Immunoprecipitation (IP)
Related Product Information for HMBS recombinant protein	MBS2031503 is a recombinant protein targeting HMBS. Also known as Recombinant Hydroxymethylbilane Synthase (HMBS). Host: E Coli Source: Prokaryotic expression.
Other Notes	Small volumes of HMBS recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of HMBS recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HMBS. It may not necessarily be applicable to this product.

NCBI GI #	148222555
NCBI GeneID	734761
NCBI Accession #	NP_001089699.1
GenBank Nucleotide #	NM_001096230.1
NCBI Official Full Name	hydroxymethylbilane synthase
NCBI Official Synonym Full Names	hydroxymethylbilane synthase
NCBI Official Symbol	hmbs
NCBI Official Synonym Symbols	ups; pbgd; pbg-d
Protein Family	Probable porphobilinogen deaminase
NCBI Protein Information	hydroxymethylbilane synthase

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