

Cystathionine beta-synthase Recombinant Protein | Cbs recombinant protein

Recombinant Mouse Cystathionine beta-synthase

CATALOG # AAA117041	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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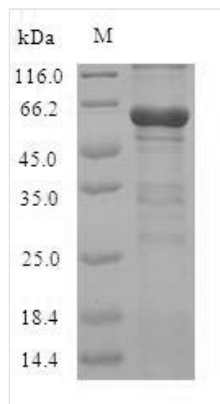
PRODUCT SYNONYMS

Cystathionine beta-synthase; Recombinant Mouse Cystathionine beta-synthase; Beta-thionase; Serine sulfhydryase; Cbs recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-561aa; Full Length
Sequence	PSGTSQCEDG SAGGFQHLDM HSEKRQLEKG PSGDKDRVWI RPDTPSRCTW QLGRAMADSP HYHTVLTSP KILPDILRKI GNTPMVRINK ISKNAGLKCE LLAKCEFFNA GGSVKDRISL RMIEDAERAG NLKPGDTIIE PTSGNTGIGL ALAAVKGYS CIIVMPEKMS MEKVDVLRAL GAEIVRTPN ARFDSPESHV GVAWRLKNEI PNSHILDQYR NASNPLAHYD DTAEELQQC DGKLDMLVAS AGTGGTITGI ARKLKEKCPG CKIIGVDPEG SILAEPEELN QTEQTAYEVE GIGYDFIPTV LDRAVVDKWF KSNDEDSFAF ARMLIAQEGL LCGGSSGSAM AVAVKAAREL QEQQRCVIL PDSVRNYMSK FLSDKWMLQK GFMKEELSVK RPWWWRRLRVQ ELSLSAPLTV LPTVTCEDTI AILREKGFQD APVVNESGAI LGMVTLGNML SSLLAGKVRP SDEVCKVLYK QFKPIHLTDT LGTLSHILEM DHFALVHEQ IQSRDQAWSG VVGGP TDCSN GMSSKQ QMV FGVVTAIDLLN FVAAREQTQT
Sequence Length	547
Species	Mus musculus (Mouse)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Cbs recombinant protein	Only known pyridoxal phosphate-dependent enzyme that contains heme. Important regulator of hydrogen sulfide, especially in the brain, utilizing cysteine instead of serine to catalyze the formation of hydrogen sulfide. Hydrogen sulfide is a gastratransmitter with signaling and cytoprotective effects such as acting as a neuromodulator in the brain to protect neurons against hypoxic injury
References	"The transcriptional landscape of the mammalian genome." Carninci P., Kasukawa T., Katayama S., Gough J., Frith M.C., Maeda N., Oyama R., Ravasi T., Lenhard B., Wells C., Kodzius R., Shimokawa K., Bajic V.B., Brenner S.E., Batalov S., Forrest A.R., Zavolan M., Davis M.J. Hayashizaki Y. Science 309:1559-1563(2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	405778333
NCBI GeneID	12411
NCBI Accession #	NP_001258282.1
NCBI GenBank Nucleotide #	NM_001271353.1
UniProt Accession #	Q91WT9; Q91WU3
Molecular Weight	63.4 kDa
NCBI Official Full Name	cystathionine beta-synthase isoform 2
NCBI Official Synonym Full Names	cystathionine beta-synthase
NCBI Official Symbol	Cbs
NCBI Official Synonym Symbols	HIP4; AI047524; AI303044
NCBI Protein Information	cystathionine beta-synthase
UniProt Protein Name	Cystathionine beta-synthase
UniProt Gene Name	Cbs
UniProt Entry Name	CBS_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/cbs-recombinant-protein-e-coli/117041>