

Cystathionine beta-synthase (CBS) Recombinant Protein | CBS recombinant protein

Recombinant Human Cystathionine beta-synthase (CBS), partial

CATALOG # AAA235198	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Cystathionine beta-synthase (CBS); Recombinant Human Cystathionine beta-synthase (CBS); partial; 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	1-413aa; Partial
Sequence	MPSETPQAEV GPTGCPHRSG PHSAKGSLEK GSPEDKEAKE PLWIRPDAPS RCTWQLGRPA SESPHHHTAP AKSPKILPDI LKKIGDTPMV RINKIGKKFG LKCELLAKCE FFNAGGSVKD RISLRMIEDA ERDGLTKPGD TIIPTSGNT GIGLALAAV RGYRCIIVMP EKMSSEKVDV LRALGAEIVR TPTNARFDSP ESHVGVAVRL KNEIPNSHIL DQYRNASNPL AHYDTTAEI LQQCDGKLDL LVSIVGTGGT ITGIARKLKE KCPGCRIGV DPEGSILAEP EELNQTEQTT YEVEGIGYDF IPTVLDRTVV DKWFKSNDEE AFTFARMLIA QEGLLCGGSA GSTVAVAVKA AQELQEGQRC VVILPDSVRN YMTKFLSDRW MLQKGFLKEE DLTEKKPWWW HLR
Organism	Homo sapiens (Human)
Tag Information	N-terminal 6xHis-SUMO-tagged
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CBS recombinant protein	Only known pyridoxal phosphate-dependent enzyme that contains he. 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.
Product Categories/Family for CBS recombinant protein	Metabolism
References	Human cystathionine beta-synthase cDNA sequence, alternative splicing and expression in cultured cells.Kraus J.P., Le K., Swaroop M., Ohura T., Tahara T., Rosenberg L.E., Roper M.D., Kozich V.Hum. Mol. Genet. 2:1633-1638 (1993)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557415
NCBI GeneID	875
NCBI Accession #	NP_000062.1
NCBI GenBank Nucleotide #	NM_000071.2
UniProt Accession #	P35520; Q99425; Q9BWC5; B2R993; D3DSK4
Molecular Weight	47.4 kDa
NCBI Official Full Name	cystathionine beta-synthase isoform 1
NCBI Official Synonym Full Names	cystathionine-beta-synthase
NCBI Official Symbol	CBS
NCBI Official Synonym Symbols	HIP4
NCBI Protein Information	cystathionine beta-synthase
UniProt Protein Name	Cystathionine beta-synthase
UniProt Gene Name	CBS

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/235198>