

Cystathionine beta-synthase Recombinant Protein | CBS recombinant protein

Recombinant Human Cystathionine beta-synthase

CATALOG # AAA114135	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Cystathionine beta-synthase; Recombinant Human 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	2-551aa; Partial
Sequence	PSETPQAEVG PTGCPHRSGP HSAKGSLEKG SPEDKEAKEP LWIRPDAPSR CTWQLGRPAS ESPHHHTAPA KSPKILPDIL KKIGDTPMVR INKIGKKFGL KCELLAKCEF FNAGGSVKDR ISLRMIEDAE RDGTLKPGDT IIEPTSGNTG IGLALAAVR GYRCIIVMPE KMSSEKVDVL RALGAEIVRT PTNARFDSPE SHVGVAWRLK NEIPNSHILD QYRNASNPLA HYDTTAEIL QQCDGKLDML VASVGTGGTI TGIARKLKEK CPGCRIIGVD PEGSILAEPE ELNQTEQTTY EVEGIGYDFI PTVLDRTVVD KWFKSNDEEA FTFARMLIAQ EGLLCGGSAG STVAVAVKAA QELQEGQRCV VILPDSVRNY MTKFLSDRWM LQKGFLEED LTEKKPWWWH LRVQELGLSA PLTVLPTITC GHTIEILREK GFDQAPVVDE AGVILGMVTL GNMLSSLLAG KVQPSDQVGK VIYKQFKQIR LTDTLGRSLH ILEMDHFALV VHEQIQYHST GKSSQRQMVF GVVTAIDLLN FVAAQERDQK
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
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 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)
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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	64.5 kDa
NCBI Official Full Name	cystathionine beta-synthase
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
UniProt Entry Name	CBS_HUMAN

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.