

Cystathionine beta-synthase Recombinant Protein | CBS recombinant protein

Recombinant Human Cystathionine beta-synthase

CATALOG # AAA309727	HOST E Coli	REACTIVITY Human
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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
Reactivity	Human
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	20mM Tris-HCl based buffer, pH8.0
Sequence Positions	Full length, 2-551
Sequence	PSETPQAEVG PTGCPHRSGP HSAKGSLEKG SPEDKEAKEP LWIRPDAPSR CTWQLGRPAS ESPHHHTAPA KSPKILPDIL KKIGDTPMVR INKIGKKFGL KCELLAKCEF FNAGGSVKDR ISLRMIEDAE RDGTLKPGDT IIEPTSGNTG IGLALAAVR GYRCIIVMPE KMSSEKVDVL RALGAEIVRT PTNARFDSPE SHVGVAWRLK NEIPNSHILD QYRNASNPLA HYDTTADAIL QQCDGKLDML VASVGTGGTI TGIARKLKEK CPGCRIIGVD PEGSILAEPE ELNQTEQTTY EVEGIGYDFI PTVLDRTVVD KWFKSNDEEA FTFARMLIAQ EGLLCGGSAG STVAVAVKAA QELQEGQRCV VILPDSVRNY MTKFLSDRWM LQKGFLKEED LTEKKPWWWH LRVQELGLSA PLTVLPTITC GHTIEILREK GFDQAPVVDE AGVILGMVTL GNMLSSLLAG KVQPSDQVGK VIYKQFKQIR LTDTLGRLSH ILEMDHFALV VHEQIQYHST GKSSQRQMVF GVVTAIDLLN FVAAQERDQK
Sequence Length	551
Tag Info	His-tag
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

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.
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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	64.5kD

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://stage.aaabiotech.com/cbs-recombinant-protein-e-coli/309727>