



Recombinant Human Cystathionine beta-synthase (CBS), partial

Product Code	CSB-EP004589HU
Relevance	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 .
Abbreviation	Recombinant Human CBS protein, partial
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P35520
Alias	Beta-thionase;Serine sulfhydrase
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	PSETPQAEVGP TGCPHRSGPHSAKGSLEKGS PEDKEAKEPLWIRPDAPS RCT WQLGRPASESPHHHTAPAKSPKILPDILKKIGDTPMVRINKIGKKFGLKCELLAK CEFFNAGGSVKDRISLRMIEDAERDGT LKPGDTIIEPTSGNTGIGLALAAAVRG YRCIIVMPEKMSSEKVDVLRALGAEIVRTP TNARFDSPESHVGVAVWRLKNEIPN SHILDQYRNASNPLAHYDTTAEILQQCDGKLDMLVASVGTGGTITGIARKLKE KCPGCRIGVDPEGSILAEPEELNQTEQTTYEVEGIGYDFIPTVLDRTVVDKWFK SNDEEAFTFARMLIAQEGLLCGGSAGSTVAVAVKAAQELQEGQRCVVILPDSV RNYMTKFLSDRWMLQKGLKEEDLTEKKPWWWHLRVQELGLSAPLTVLPTIT CGHTIEILREKGF DQAPVVDEAGVILGMVTLGNMLSSLLAGKVQPSDQVGVKIY KQFKQIRLTDTLGRLSHILEMDHFALVVHEQIQYHSTGKSSQRQMVFGVVTAID LLNFVAAQERDQK
Research Area	Metabolism
Source	E.coli
Target Names	CBS
Expression Region	2-551aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	64.5kDa
Protein Length	Partial

