



Recombinant Human Cystathionine beta-synthase (CBS), partial, Yeast

Product Code	CSB-YP004589HU
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
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 .
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	<p>PSETPQAEVGP TGCPHRSGPHSAKGSLEKGSPEDEKEAKEPLWIRPDAPSRCT WQLGRPAS ESPHHHTAPAKSPKILPDILKKIGDTPMVRINKIGKKFGLKCELLAKCEFFNAGG SVKDR ISLRMIEDAERDGLKPGDTIIEPTSGNTGIGLALAAAVRGYRCIIVMPEKMSSE KVDVL RALGAEIVRTP TNARFDSPESHVGVAVRLKNEIPNSHILDQYRNASNPLAHYD TTADEIL QQCDGKLDMLVASVGTGGTITGIARKLKEKCPGCRIIGVDPEGSILAEPEELNQ TEQTTY EVEGIGYDFIPTVLDRTVVDKWFKSNDEEAFTFARMLIAQEGLLCGGSAGSTV AVAVKAA QELQEGQRCVVILPDSVRNYMTKFLSDRWMLQKGFLEEDLTEKKPWWWHL RVQELGLSA PLTVLPTITCGHTIEILREKGFDPVDEAGVILGMVTLGNMLSSLLAGKVQPS DQVGK VIYKQFKQIRLTDTLGRLSHILEMDHFALVVHEQIQYHSTGKSSQRQMVFGVVT AIDLLN FVAAQERDQK</p>
Research Area	Metabolism
Source	Yeast
Target Names	CBS
Protein Names	Recommended name: Cystathionine beta-synthase EC= 4.2.1.22 Alternative name(s): Beta-thionase Serine sulfhydrase
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
Protein Length	Partial
Shelf Life	<p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>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.</p>