

## Recombinant Human CBS protein, His-tagged

**Cat. No.** CBS-2645H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CBS protein(P35520)(1-413aa), fused with N-terminal His tag, was expressed in Yeast.                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 1-413aa                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 47.4kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MPSETPQAEVGPTGCPHRSGPHSAKGSLEKGSPEDKEAKEPLWIRPDAPSRCTWQ<br>LGRPASESPHHHTAPAKSPKILPDILKKIGDTPMVRINKIGKKFGLKCELLAKCEFFNA<br>GGSVKDRISLRMIEDAERDGTLPKGDITIEPTSGNTGIGLALAAAVRGYRCIIVMPEKM<br>SSEKVDVLRALGAEIVRTPTNARFDSPESHVGVAVRLKNEIPNSHILDQYRNASNPL<br>AHYDTTAADEILQQCDGKLDMLVASVGTGGTITGIARKLKEKCPGCRIGVDPEGSILA<br>EPEELNQTEQTTYEVEGIGYDFIPTVLDRTVVDKWFKSNDEEAFTFARMLIAQEGLLC<br>GGSAGSTVAVAVKAAQELQEGQRCVVILPDSVRNYMTKFLSDRWMLQKGFLKEED<br>LTEKKPWWWHLR |

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|                       |                                                                                                                                                                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                   |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                |
| <b>Reconstitution</b> | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. |

## GENE INFORMATION

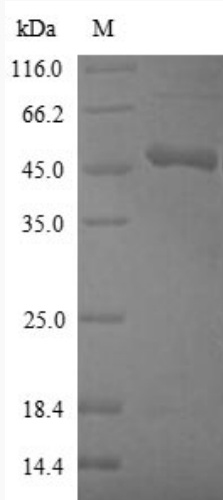
|                        |                                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CBS cystathionine-beta-synthase [ Homo sapiens ]                                                                                 |
| <b>Official Symbol</b> | CBS                                                                                                                              |
| <b>Synonyms</b>        | CBS; cystathionine-beta-synthase; cystathionine beta-synthase; HIP4; beta-thionase; serine sulfhydrase; methylcysteine synthase; |
| <b>Gene ID</b>         | 875                                                                                                                              |
| <b>mRNA Refseq</b>     | NM_000071                                                                                                                        |
| <b>Protein Refseq</b>  | NP_000062                                                                                                                        |
| <b>MIM</b>             | 613381                                                                                                                           |
| <b>UniProt ID</b>      | P35520                                                                                                                           |

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# Tris-Bis PAGE



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