

## Recombinant Human CSH1 (C-6His)

Catalog No: C457

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| <b>Description</b>                | Recombinant Human Chorionic Somatomammotropin Hormone is produced by our Mammalian expression system and the target gene encoding Val27-Phe217 is expressed with a 6His tag at the C-terminus.  |
| <b>Source</b>                     | Human Cells   |
| <b>Alternative name</b>           | Chorionic Somatomammotropin Hormone; Choriomammotropin; Lactogen; Placental Lactogen; PL; CSH1; CSH2  |
| <b>Accession No.</b>              | P01243  |
| <b>Predicted Molecular Weight</b> | 23.35kDa  |
| <b>AP Molecular Weight</b>        | 22kDa, reducing conditions.   |
| <b>Formulation</b>                | Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.   |
| <b>Reconstitution</b>             | <p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>  |
| <b>Quality Control</b>            | <p>Purity: Greater than 90% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.</p>   |
| <b>Shipping</b>                   | <p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>  |
| <b>Storage</b>                    | <p>Lyophilized protein should be stored at &lt; -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>  |
| <b>Background</b>                 | Chorionic Somatomammotropin Hormone (CSH1) belongs to the Somatotropin/Prolactin family. It is located at the growth hormone locus on chromosome 17. It is produced by cells in the syncytiotrophoblast layer of the placenta only during pregnancy. Although CSH1 does not interact with GHR but only activates PRLR through zinc-induced dimerization. It is expressed mainly in the placenta and utilizes multiple transcription initiation sites. CSH1 plays an important role in stimulating lactation, growth control and metabolism. |

### SDS-Page

