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Datasheet for ABIN1097349

CSH1 Protein (AA 27-217) (His tag)

Overview

Quantity:	50 µg
Target:	CSH1
Protein Characteristics:	AA 27-217
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CSH1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Placental Lactogen/CSH1 (C-6His)
Sequence:	VQTVPLSRLF DHAMLQAHRA HQLAIDTYQE FEETYIPKDQ KYSFLHDSQT SFCFSDSIPT PSNMEETQQK SNLELLRISL LLIESWLEPV RFLRSMFANN LVYDTSDD YHLLKDLEEG IQTLMGRLED GSRRTGQILK QTYSKFDTNS HNHDALLKNY GLLYCFRKDM DKVETFLRMV QCRSVEGSCG FVDHHHHHH
Characteristics:	Recombinant Human Chorionic Somatomammotropin Hormone/CSH1 produced by transfected human cells is a secreted protein with sequence (Val27-Phe217) of Human CSH1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	CSH1
Alternative Name:	placental-lactogen (CSH1 Products)
Sub Type:	Fusionprotein
Background:	<p>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.</p> <p>Alternative Names: Chorionic Somatomammotropin Hormone, Choriomammotropin, Lactogen, Placental Lactogen, PL, CSH1, CSH2</p>
Molecular Weight:	23.35 kDa
UniProt:	P01243
Pathways:	Response to Growth Hormone Stimulus

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -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 < -20°C for 3 months.</p>
Expiry Date:	3 months