

Datasheet for ABIN7596230

**CSH1 Protein (AA 27-217) (His tag)**[Go to Product page](#)

## Overview

Quantity:	250 µg
Target:	CSH1
Protein Characteristics:	AA 27-217
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CSH1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

## Product Details

Sequence:	VQTVPLSRLF DHAMLQAHRA HQLAIDTYQE FEETYIPKDQ KYSFLHDSQT SFCFSDSIPT PSNMEETQQK SNLELLRISL LLIESWLEPV RFLRSMFANN LVYDTSDD YHLLKDLEEG IQTLMGRLED GSRRTGQILK QTYSKFD TNS HNHDALLKNY GLLYCFRKDM DKVETFLRMV QCRSVEGSCG F
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)
Biological Activity Comment:	Measured in a cell proliferation assay using Nb2-11 Rat lymphoma cells. The ED50 range ≤ 0.8 ng/ml.

## Target Details

Target:	CSH1
Alternative Name:	Placental Lactogen/CSH1 Protein ( <a href="#">CSH1 Products</a> )
Background:	CSH1, also known as placental lactogen, is a member of the PRL/GH family. CSH1 gene is located on chromosome 17q which participates in the regulation of postnatal and intrauterine growth. This protein is produced only during pregnancy and plays important role in increase of pancreatic islets. It also inhibits apoptosis of insulinoma cell lines by activating the phosphorylation of AKT protein. CSH1 activates PRLR through zinc-induced dimerization but does not interact with GHR. Recombinant human CSH1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	23.1kDa (197aa)
NCBI Accession:	<a href="#">NP_001308</a>
Pathways:	<a href="#">Response to Growth Hormone Stimulus</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.