



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### CSH1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00001442-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human CSH1 full-length ORF (AAH02717, 1 a.a. - 217 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MAPGSRTSLLLAFALLCLPWLQEAGAVQTVPLSRLFD  
HAMLQAHRAHQLAIDTYQEFEEYIPKDQKYSFLHDSQ  
TSSCFSDSIPTPSNMEETQKQSNLELLRISLLIESWLE  
PVRFLRSMFANNLVYDTSDDYHLLKDLEEGIQTLM  
GRLEDGSRRTGQILKQTYSKFDTNSHNHDALLKNYGL  
LYCFRKDTDKVETFLRMVQCERSVEGSCGF

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 49.61

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 1442

**Gene Symbol:** CSH1

**Gene Alias:** CSA, CSMT, FLJ75407, PL

**Gene Summary:** The protein encoded by this gene is a member of the somatotropin/prolactin family of

hormones and plays an important role in growth control. The gene is located at the growth hormone locus on chromosome 17 along with four other related genes in the same transcriptional orientation; an arrangement which is thought to have evolved by a series of gene duplications. Although the five genes share a remarkably high degree of sequence identity, they are expressed selectively in different tissues. Alternative splicing generates additional isoforms of each of the five growth hormones, leading to further diversity and potential for specialization. This particular family member is expressed mainly in the placenta and utilizes multiple transcription initiation sites. Expression of the identical mature proteins for chorionic somatomammotropin hormones 1 and 2 is upregulated during development, although the ratio of 1 to 2 increases by term. Mutations in this gene result in placental lactogen deficiency and Silver-Russell syndrome. [provided by RefSeq]