

---

## Product Data Sheet

---

Product Name: CST11 Human  
 Cat. No.: GP23263  
 Batch No.: 1

### Product Data

|                     |  |                    |                         |
|---------------------|--|--------------------|-------------------------|
| Purity              | >98%   | Source             | E.coli.                 |
| Physical Appearance | solid  | Shipping Condition | Shipped with Ice Packs. |
| Synonyms            | CST8L; CTES2; dj322G13.6; SC13.  |                    |                         |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MGSARKKTFL SVHEVMAVEN YAKDSLQWIT DQYNKESDDK YHFRIFRVLK VQRQVNCFF SVFAVPWFEQ YKILNKSCSS D. |                    |                         |
| Formulation         | CST11 protein solution (1mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.4M urea and 10% glycerol.           |                    |                         |

### Introduction

Cystatin 11 (CST11) is a member of the Cystatin family. The Cystatin superfamily is comprised of proteins with multiple cystatin-like sequences. Several family members are active cysteine protease inhibitors, other family members have lost or perhaps never developed this inhibitory activity. The Cystatin superfamily consists of three inhibitory families, including the type 1 cystatins (stefins), type 2 cystatins and the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions. The majority of the type 2 cystatin genes and pseudogenes are contained in the cystatin locus on chromosome 20. CST11 is located in the cystatin locus and encodes an epididymal-specific protein whose specific function has not been verified yet.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

CST11 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 101 amino acids (26-103 a.a.) and having a molecular mass of

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

---

## Product Data Sheet

---

11.8kDa.CST11 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

***Caution: Product has not been fully validated for medical applications. For research use only.***

***Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com***

***Address: 10292 Central Ave. #205, Montclair, CA, USA***