

## Native Human Protein S

Cat. No. S-52H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                            |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Purified protein from human plasma - liquid                                                                                                                                                                                                                                                                                                                |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                      |
| Source           | Human Plasma                                                                                                                                                                                                                                                                                                                                               |
| Form             | TRIS buffered saline                                                                                                                                                                                                                                                                                                                                       |
| Molecular Mass   | 69000                                                                                                                                                                                                                                                                                                                                                      |
| Purity           | SDS PAGE: >95%Single band at 69 kDa on SDS-PAGE gels, and a doublet upon incubation with 2-mercaptoethanol.                                                                                                                                                                                                                                                |
| Storage          | Store at -20 °C only.Storage in frost-free freezers is not recommended.This product should be stored undiluted.Avoid repeated freezing and thawing as this may denature the antibody.Should this product contain a precipitate we recommend micr°C centrifugation before use.If stored in this manner, this product is stable for 18 months after receipt. |
| Concentration    | 1.0 mg/ml                                                                                                                                                                                                                                                                                                                                                  |
| Preservative     | 1mM Benzamidine                                                                                                                                                                                                                                                                                                                                            |

### GENE INFORMATION

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | PROS1 protein S (alpha) [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Official Symbol</b>     | PROS1                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>            | PROS1; protein S (alpha); PROS; vitamin K-dependent protein S; protein Sa; vitamin K-dependent plasma protein S; PSA; PS21; PS22; PS23; PS24; PS25; THPH5; THPH6;                                                                                                                                                                                                                                                                                  |
| <b>Gene ID</b>             | 5627                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>         | NM_000313                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>      | NP_000304                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MIM</b>                 | 176880                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>          | P07225                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Chromosome Location</b> | 3p11-q11.2                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Pathway</b>             | Cell surface interactions at the vascular wall, organism-specific biosystem; Common Pathway, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; Formation of Fibrin Clot (Clotting Cascade), organism-specific biosystem; |
| <b>Function</b>            | calcium ion binding; endopeptidase inhibitor activity;                                                                                                                                                                                                                                                                                                                                                                                             |