

Native Human PROS1 Protein

Cat. No. PROS1-31218TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified full length native human Protein S, isolated from fresh frozen plasma, is a single chain protein containing 10 gla residues in the NH2-terminal domain and 4 epidermal growth factor (EGF) domains, MW 69kDa. Post translational modifications: one bet
Species	Human
Description	This gene encodes a vitamin K-dependent plasma protein that functions as a cofactor for the anticoagulant protease, activated protein C (APC) to inhibit blood coagulation. It is found in plasma in both a free, functionally active form and also in an inactive form complexed with C4b-binding protein. Mutations in this gene result in autosomal dominant hereditary thrombophilia. An inactive pseudogene of this locus is located at an adjacent region on chromosome 3.
Tissue specificity	Plasma.
Form	Liquid
Purity	Immunogen affinity purified
Storage buffer	Preservative: None Constituents: 50% Glycerol
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequence	Contains 4 EGF-like domains. Contains 1 Gla (gamma-carboxy-glutamate)

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Similarities	domain.Contains 2 laminin G-like domains.
Full Length	Full L.
GENE INFORMATION	
Gene Name	PROS1 protein S (alpha) [Homo sapiens]
Official Symbol	PROS1
Synonyms	PROS1; protein S (alpha); PROS; vitamin K-dependent protein S;
Gene ID	5627
mRNA Refseq	NM_000313
Protein Refseq	NP_000304
MIM	176880
Uniprot ID	P07225
Chromosome Location	3p11-q11.2
Pathway	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;
Function	calcium ion binding; endopeptidase inhibitor activity;

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