

Protein S/PROS1 Recombinant Protein | PROS1 recombinant protein

Protein S/PROS1 Protein, Mouse, Recombinant (His Tag), HPLC-verified

CATALOG #
AAA259272

HOST
HEK293 Cells

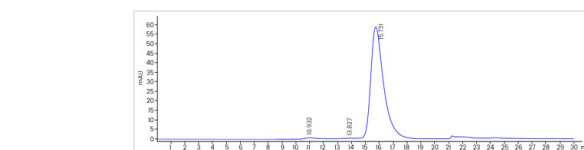
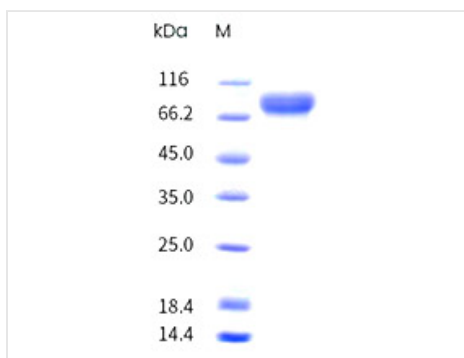
PRODUCT SYNONYMS

Protein S/PROS1; Protein S/PROS1 Protein; Mouse; Recombinant (His Tag); HPLC-verified; protein S (alpha); AW214361 Protein; PROS1 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>= 95% as determined by SDS-PAGE. = 85% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Species	Mouse
Predicted N Terminal	Asn 25
Endotoxin	<1.0 EU per ug protein as determined by the LAL method.
Protein Construction	A DNA sequence encoding the Mouse PROS1 (Q08761)(Met1-Phe675) was expressed with a polyhistidine tag at the C-terminus.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

IMAGES



Application Data

Application Data

ADDITIONAL INFORMATION

Related Product Information for PROS1 recombinant protein

PROS1, also known as protein S, is a vitamin K-dependent plasma protein that functions as a cofactor for the anticoagulant protease, activated protein C (APC) to inhibit blood coagulation. PROS1 has two isoforms: a free, functionally active form and an inactive form complexed with C4b-binding protein. Besides its anticoagulant function, PROS1 also acts as an agonist for the tyrosine kinase receptors Tyro3, Axl, and Mer. The endothelium expresses Tyro3, Axl, and Mer and produces protein S. The interaction of protein S with endothelial cells and particularly its effects on angiogenesis have not yet been analyzed.

References	Beauchamp NJ. et al., 2004, Br J Haematol. 125 (5): 647-54. García de Frutos P. et al., 2007, Thromb Haemost. 98 (3): 543-56. Rezende SM. et al., 2004, Blood. 103 (4): 1192-201.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	46309455
NCBI GeneID	19128
NCBI Accession #	NP_035303.1
NCBI GenBank Nucleotide #	NM_011173.2
UniProt Accession #	Q08761; P43483
Molecular Weight	74,934 Da
NCBI Official Full Name	vitamin K-dependent protein S
NCBI Official Synonym Full Names	protein S (alpha)
NCBI Official Symbol	Pros1
NCBI Official Synonym Symbols	AW214361
NCBI Protein Information	vitamin K-dependent protein S
UniProt Protein Name	Vitamin K-dependent protein S
UniProt Gene Name	Pros1
UniProt Synonym Gene Names	Pros
UniProt Entry Name	PROS_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pros1-recombinant-protein-hek293-cells/259272>