

Product Data Sheet

Recombinant Human KLK3 Protein (Ala18-Pro261)

Catalog #	Source	Reactivity	Applications
CRP1856	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human KLK3 Protein is produced by our Mammalian expression system and the target gene encoding Ala18-Pro261 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μ M filtered solution of 20mM Tris-HCl, 50mM NaCl, 15% Sucrose, 0.05% Tween80, 200mM L-Arginine, pH8.5		
Gene Symbol	KLK3		
Alternative Names	APS; Prostate-specific antigen; PSA; Gamma-seminoprotein; Semin; Kallikrein-3; P-30 antigen; Semenogelase		
Entrez Gene	354 (Human)		
SwissProt	P07288 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	APLILSRIVG GWECEKHSQP WQVLVASRGR AVCGGVLVHP QWVLTAAHCI RNKSVILLGR HSLFHPEDTG QVFQVSHSFP HPLYDMSLLK NRFLRPGDDS SHDLMLLRSL EPAELTDAVK VMDLPTQEPA LGTTCYASGW GSIEPEEFLT PKKLQCVDLH VISNDVCAQV HPQKVTKFML CAGRWTGGKS TCSGDSGGPL VCNGVLQGIT SWGSEPCALP ERPSLYTKVV HYRKWIKDTI VANPVDHHHH HH		
Quality Control	Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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