

Recombinant Human SPESP1 Protein

Catalog #	Source	Reactivity	Applications
CRP2331	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human SPESP1 Protein is produced by our mammalian expression system and the target gene encoding Tyr20-Tyr350 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.		
Gene Symbol	SPESP1		
Alternative Names	Sperm equatorial segment protein 1; ESP; Equatorial segment protein; SP-ESP; Glycosylated 38 kDa sperm protein C-7/8		
Entrez Gene	246777 (Human)		
SwissProt	Q6UW49 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	<p>YPSITVTPDE EQNLNHYIQV LENLVRVSPS GEPGREKKS N SPKHVYSIAS KGSKFKELVT HGDASTENDV LTNPISEETT TFPTGGFTPE IGKKKHTEST PFWSIKPNNV SILHAEPEY IENEEPEPEP EPAAQTEAP RMLPVVTESS TSPYVTSYKS PVTTLDKSTG IGISTESEDV PQLSGETAIE KPEEFGKHPE SWNNDILKK ILDINSQVQQ ALLSDTSNPA YREDIEASKD HLKRSALAA AAHKLKTMYSQQLLPVGRT SNKIDDIETV INMLCNSRSK LYEYLDIKCV PPEMREKAAT VFNTLKNMCR SRRVTALLKV YVDHHHHHH</p>		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) 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 μg/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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Product Data Sheet

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 $2-8^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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