

Recombinant Mouse FCGRT/B2M Protein

Catalog #	Source	Reactivity	Applications
CRP2960	Human cells	Mouse	E, WB, SDS-PAGE, MS
Description	Recombinant Mouse FCGRT/B2M Protein is produced by mammalian expression system and the target gene encoding Ser22-Val301 & Ile21-Met119 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.		
Gene Symbol	FCGRT; B2M		
Alternative Names	FCRN; IgG receptor FcRn large subunit p51; FcRn; IgG Fc fragment receptor transporter alpha chain; Neonatal Fc receptor; Beta-2-microglobulin		
Entrez Gene	14132; 12010 (Mouse)		
SwissProt	Q61559; P01887 (Mouse)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	SETRPPLMYH LTAVSNPSTG LPSFWATGWL GPQQYLTYNS LRQEADPCGA WMWENQVSWY WEKETDLKS KEQLFLEALK TLEKILNGTY TLQGLLGCEL ASDNSSVPTA VFALNGEEFM KFNPRIGNWT GEWPETEIVA NLWMKQPDAA RKESEFLLNS CPERLLGHLE RGRRNLEWKE PPSMRLKARP GNSGSSVLTC AAFSFYPPEL KFRFLRNGLA SGSGNCSTGP NGDGSFHAWS LLEVKRGDEH HYQCQVEHEG LAQPLTVDLD SSARSSVPV VDHHHHHH&I QKTPQIQVYS RHPPENGKPN ILNCYVTQFH PPHIEIQMLK NGKKIPKMEM SDMSFSKDWS FYILAHTFT PTETDTYACR VKHASMAEPK TVYWDRDM		
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 ddH ₂ O. Please aliquot the reconstituted solution to minimize		

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

freeze-thaw cycles.

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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