

Recombinant Human ESR2 Protein

Catalog #	Source	Reactivity	Applications
CRP1509	E. coli	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human ESR2 Protein is produced by our E. coli expression system and the target gene encoding Met1-Ala323 is expressed with a 6His tag at the N-terminus.		
Form	Lyophilized from a 0.2 μM filtered solution of 50mM Tris-HCl, pH 8.0.		
Gene Symbol	ESR2		
Alternative Names	ESTRB; NR3A2; Estrogen receptor beta; ER-beta; Nuclear receptor subfamily 3 group A member 2		
Entrez Gene	2100 (Human)		
SwissProt	Q92731 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	MGSSHHHHHH SSGLVPRGSH MDIKNSPSSL NSPSSYNCSQ SILPLEHGS IYIPSSYVDSH HEYPAMTFYS PAVMNYSIPS NVTNLEGGPG RQTTSPNVLW PTPGHLSPV VHRQLSHLYA EPQKSPWCEA RSLEHTLPVN RETLKRKVS G NRKASPVTPG GSKRDAH FCA VCSDYASGYH YGVWSCEGCK AFFKRSIQGH NDYICPATNQ CTIDKNRRKS CQACRLRKY EVGMVKCGSR RERCGYRLVR RQRSADEQLH CAGKAKRSGG HAPRVRELL DAL SPEQLVL TLLEAEPPHV LISRPSAPFT EASMMMSLTK LADKELVHMI SWAKKIPGMR GNA		
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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