

Recombinant Human EGFR Protein

Catalog #	Source	Reactivity	Applications
CRP2692	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human EGFR Protein is produced by mammalian expression system and the target gene encoding Leu25-Val30Gly & Asn298-Ser645 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	EGFR		
Alternative Names	ERBB; ERBB1; HER1; Epidermal growth factor receptor; Proto-oncogene c-ErbB-1; Receptor tyrosine-protein kinase erbB-1		
Entrez Gene	1956 (Human)		
SwissProt	P00533 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	<p>LEEKKGNYVV TDHGSCVRAC GADSYEMEED GVRKCKKCEG PCRKVCNGIG IGEFKDSLIS</p> <p>NATNIKHFKN CTSISGDLHI LPVAFRGDSF THTPPLDPQE LDILKTVKEI TGFLLIQAWP</p> <p>ENRTDLHAFE NLEIIRGRTK QHGQFSLAVV SLNITSLGLR SLKEISDGDV IISGNKNLCY</p> <p>ANTINWKKLF GTSGQKTKII SNRGENSCKA TGQVCHALCS PEGCWGPEPR DCVSCRNVSR</p> <p>GRECVDKCNL LEGEPREFVE NSECIQCHPE CLPQAMNITC TGRGPDNCIQ CAHYIDGPHC</p> <p>VKTCPAGVMG ENNTLVWKYA DAGHVCHLCH PNCTYGCTGP GLEGCPNNGP</p> <p>KIPVDHHHH HH</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 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°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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