

Recombinant Rat ERBB2 Protein

Catalog #	Source	Reactivity	Applications
CRP1498	E. coli	Rat	E, WB, SDS-PAGE, MS
Description	Recombinant Rat ERBB2 Protein is produced by our E. coli expression system and the target gene encoding Ala67-Val323 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μ M filtered solution of 20mM Tris, 150mM NaCl, 4M Urea, pH 8.0.		
Gene Symbol	ERBB2		
Alternative Names	HER2; MLN19; NEU; NGL; Receptor tyrosine-protein kinase erbB-2; Metastatic lymph node gene 19 protein; MLN 19; Proto-oncogene Neu; Proto-oncogene c-ErbB-2; Tyrosine kinase-type cell surface receptor HER2; p185erbB2; CD340		
Entrez Gene	24337 (Rat)		
SwissProt	P06494 (Rat)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	MANASLSFLQ DIQEVQGYML IAHNQVKRVP LQRLRIVRGT QLFEDKYALA VLDNRDPQDN VAASTPGRTP EGLRELQLRS LTEILKGGVL IRGNPQLCYQ DMVLWKDVFR KNNQLAPVDI DTNRSRACPP CAPACKDNHC WGESPEDCQI LTGTICTSGC ARCKGRLPTD CCHEQCAAGC TGPKHSDCLA CLHFNHSGIC ELHCPALVTY NTDTFESMHN PEGRYTFGAS CVTTCPYNYL STEVGSCTLV CPPNNQEVHH HHHH		
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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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°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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