

Recombinant Human HER4 Protein

Catalog #	Source	Reactivity	Applications
CRP2721	Human cells	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human HER4 Protein is produced by mammalian expression system and the target gene encoding Gln26-Arg649 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	ERBB4
Alternative Names	HER4; Receptor tyrosine-protein kinase erbB-4; Proto-oncogene-like protein c-ErbB-4; Tyrosine kinase-type cell surface receptor HER4; p180erbB4
Entrez Gene	2066 (Human)
SwissProt	Q15303 (Human)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	<p>QSV CAGTENK LSS LSDL EQQ YRAL RKYYEN CEVVMGNLEI TSIEHNRDLS FLRSVREVTG</p> <p>YVLVALNQFR YLPLENLR II RGTKLYEDRY ALAIFLN YRK DGNFGLQELG LKNL TEILNG</p> <p>GVYVDQNKFL CYADTIHWQD IVRN PWPSNL TLVSTNGSSG CGRCHK SCTG</p> <p>RCWGPTENHC QTLTRTVCAE QCDGR CYGPY VSDCCHRECA GGCSGPKD TD</p> <p>CFACMNFNDS GACVTQCPQT FVYNPTTFQL EHNFN AKYTY GAF CVKKCPH NFVVDSSSCV</p> <p>RACPSSKMEV EENGIKMCKP CTDICPKACD GIGTGSLMSA QTV DSSNIDK FINCTKINGN</p> <p>LIFLVTGIHG DPYNAIEAID PEKLN VFRTV REITGFLNIQ SWPPNMTDFS VFSNLVTIGG</p> <p>RVLYSGLSL ILKQQGITS L QFQSLKEISA GNIYITDNSN LCYYHTINWT TLFSTINQRI</p> <p>VIRDNRKAEN CTAEGMVCNH LCSSDG CWGP GPDQCLSCRR FSRGRICIES CNLYDGEFRE</p> <p>FENGSI CVEC DPQCEK MEDG LLTCHGPGPD NCTKCSHF KD GPNCVEKCPD GLQGANSFIF</p> <p>KYADPDRECH PCHPNCTQGC NGPTSHDCIY YPWTGHSTLP QHARHHHHHHH</p>

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

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 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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