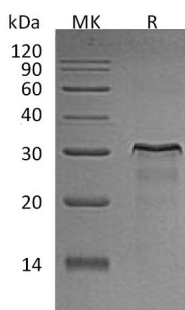


## Summary

<b>Name</b>	HER2/CD340/ERBB2/Receptor Tyrosine-Protein Kinase ErbB-2
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Rat Receptor Tyrosine-protein Kinase ErbB-2 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.
<b>Accession #</b>	P06494
<b>Host</b>	E.coli
<b>Species</b>	Rat
<b>Predicted Molecular Mass</b>	29.3 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of PBS, 5% Trehalose, 4M Urea, pH 7.4.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image



## Background

**Product Name: Recombinant Rat HER2 (C-6His)**  
**Catalog #: PER0337**



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**Alternative Names**

Receptor tyrosine-protein kinase erbB-2; Epidermal growth factor receptor-related protein; Proto-oncogene Neu; Proto-oncogene c-ErbB-2; p185erbB2; p185neu; CD340; ERBB2

**Background**

ERBB2 belongs to the protein kinase superfamily, Tyr protein kinase family and EGF receptor subfamily. It contains a protein kinase domain. ERBB2 is widely expressed in epithelial cells, and amplification and/or overexpression of ErbB2 has been reported associated with malignancy and a poor prognosis in numerous carcinomas, including breast, prostate and ovarian cancers. Rat ERBB2 is an essential component of a neuregulin-receptor complex, although neuregulins do not interact with it alone. ErbB2 mediates signalling pathways which involve mitogen-activated protein kinase and phosphatidylinositol-3 kinase, this receptor plays a key role in development, cell proliferation and differentiation.

**Note**

For Research Use Only , Not for Diagnostic Use.