

## Recombinant Rat HER2 (C-6His)

Catalog No: CH03

**Description** 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.

Source E. coli

Alternative name Receptor tyrosine-protein kinase erbB-2; Epidermal growth factor receptor-related protein;

Proto-oncogene Neu; Proto-oncogene c-ErbB-2; p185erbB2; p185neu; CD340; ERBB2

Accession No. P06494

Formulation Lyophilized from a 0.2 µm filtered solution of PBS, 5% Trehalose, 4M Urea, pH 7.4.

Quality Control Purity: Greater than 95% as determined by reducing SDS-PAGE.

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

**Shipping** The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

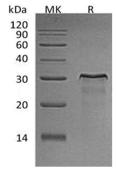
Storage Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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.



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