

## 32-8293: Recombinant Rat Receptor Tyrosine-Protein Kinase ErbB-2/ErbB2/HER2 (C-6His)

**Gene :** Erbb2  
**Uniprot ID :** P06494

### Description

Source: E. coli.  
MW :29.3kD.

Recombinant Rat ErbB2 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. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM Tris,150mM NaCl, 4M Urea, pH 8.0.  
**Storage condition :** 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.  
**Amino Acid :** MANASLSFLQDIQEVQGYMLIAHNQVKRVPLQRLRIVRGTQLFEDKYALAVLDNRDPQDNVAASTPGRTPEGL RELQLRSLTEILKGGVLRGNPQLCYQDMVLWKDVFRKNNQLAPVDIDTNRSRACPPCAPACKDNHCWGESPE DCQILTGTICTSGCARCKGRLPTDCCHEQCAAGCTGPKHSDCLACLHFHNSGICELHCPALVYNTDTFESMH NPEGRYTFGASCVTTCPYNYLSTEVGSCTLVCPNNQEVHHHHHH

### Application Note

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