

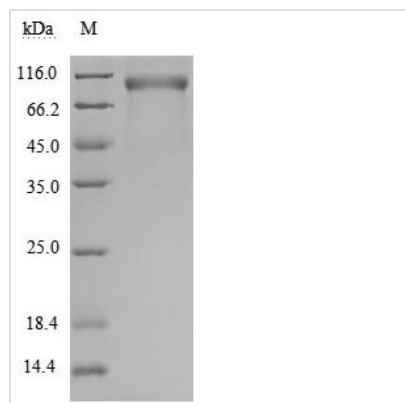


# Recombinant Human Receptor tyrosine-protein kinase erbB-2 (ERBB2), partial (Active)

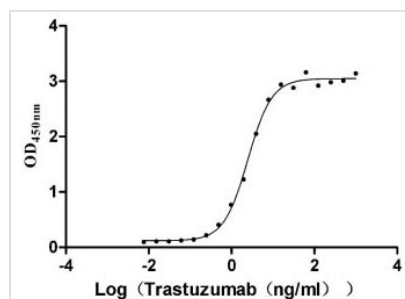
<b>Product Code</b>	CSB-MP007763HU
<b>Abbreviation</b>	Recombinant Human ERBB2 protein, partial (Active)
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P04626
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized HER2 at 2 µg/ml can bind Trastuzumab, the EC <sub>50</sub> is 2.179-2.825 ng/ml.
<b>Purity</b>	Greater than 95% as determined by SDS-PAGE. Greater than 90% as determined by SEC-HPLC.
<b>Sequence</b>	TQVCTGTDMLRRLPASPETHLDMLRHLYQGCQVVQGNLELTYLPTNASLSFL QDIQEVQGYVLIAHNQVRQVPLQRLRIVRGTQLFEDNYALAVLDNGDPLNNTT PVTGASPGGLRELQLRSLTEILKGGVLIQRNPQLCYQDTILWKDIFHKNNQLAL TLIDTNRSRACHPCSPMCKGSRGWGESSEDCQSLTRTVACAGGCARCKGPLP TDCCHEQCAAGCTGPKHSDCLACLHFNHSGICELHCPALVTYNTDTFESMPN PEGRYTFGASCVTACPYNLSTDVGSCTLVCPLHNQEVTAEDGTQRCEKCSK PCARVCYGLGMEHLREVRVAVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNT APLQPEQLQVFETLEEITGYLYISAWPDSLPLDSVFNQLQVIRGRILHNGAYSLT LQGLGISWLGLRSLRELGSGLALIHHTHLCFVHTVPWDQLFRNPHQALLHTA NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVL QGLPREYVNARHCLPCHPECQPQNGSVTCFGPEADQCVACAHYKDPDFCVA RCPSGVKPDLSPYMPIWKFPDEEGACQPCPINCTHSCVDLDDKGCPAEQRASP LT
<b>Source</b>	Mammalian cell
<b>Target Names</b>	ERBB2
<b>Expression Region</b>	23-652aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	C-terminal 6xHis-tagged
<b>Mol. Weight</b>	70.2 kDa


**Protein Length**

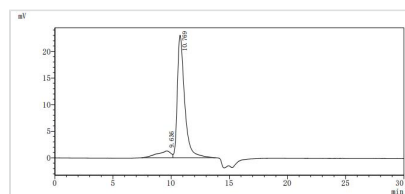
Partial

**Image**


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



**Activity**  
Measured by its binding ability in a functional ELISA. Immobilized HER2 at 2 µg/ml can bind Trastuzumab, the EC<sub>50</sub> is 2.179-2.825 ng/ml.



The purity of ERBB2 was greater than 95% as determined by SEC-HPLC

**Endotoxin**

Less than 1.0 EU/ug as determined by LAL method.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.