

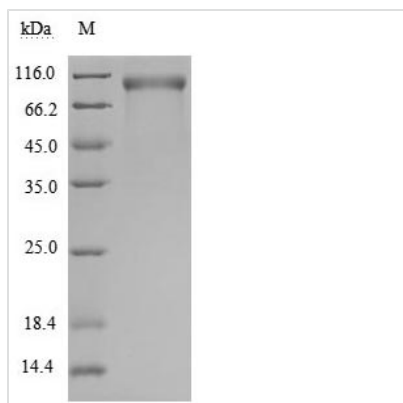


Recombinant Human Receptor tyrosine-protein kinase erbB-2 (ERBB2), partial (Active)

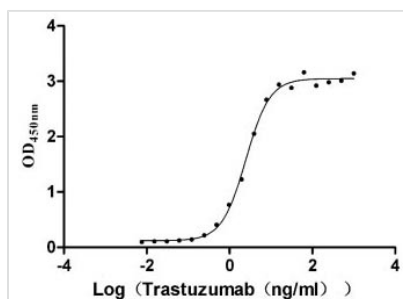
Product Code	CSB-MP007763HU
Abbreviation	Recombinant Human ERBB2 protein, partial (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C.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


Protein Length

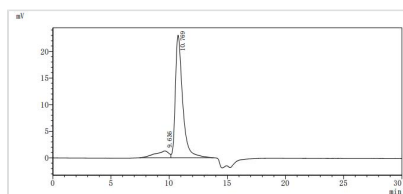
Partial

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 $\mu\text{g/ml}$ can bind Trastuzumab, the EC_{50} 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 $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. 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 $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. The shelf life of lyophilized form is 12 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.