

# Recombinant Human HER1/ERBB1/EGFR (d746-750, T790M, C797S, L858R) Protein

Catalog No.: RP03329LQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	1956	P00533

### Tags

N-His-GST

### Synonyms

EGFR; ERBB; ERBB1; HER1; Epidermal growth factor receptor

## Product Information

Source	Purification
Baculovirus-Insect Cells	> 80% by SDS-PAGE and HPLC

Calculated MW	Observed MW
88.5 kDa	80-90 kDa

### Endotoxin


&lt; 1.0 EU/μg of the protein by LAL method

### Formulation

Supplied as a 0.22 μm filtered solution in 50 mM HEPES, 200 mM NaCl, 5% glycerol, 1 mM DTT. (pH 7.5). Contact us for customized product form or formulation.

## Reconstitution

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Background

The epidermal growth factor receptor (EGFR; ErbB-1; HER1 in humans) is a member of the ErbB family of receptors, a subfamily of four closely related receptor tyrosine kinases: EGFR (ErbB-1), HER2/neu (ErbB-2), Her 3 (ErbB-3) and Her 4 (ErbB-4). EGFR is activated by binding of its specific ligands, including epidermal growth factor (EGF) and transforming growth factor alpha (TGF-α). Upon activation by its growth factor ligands, EGFR undergoes a transition from an inactive monomeric form to an active homodimer, which stimulates its intrinsic intracellular protein-tyrosine kinase activity. Deficient signaling of the EGFR and other receptor tyrosine kinases in humans is associated with diseases such as Alzheimer's, while over-expression is associated with the development of a wide variety of tumors.

## Basic Information

### Description

Recombinant Human HER1/ERBB1/EGFR (d746-750, T790M, C797S, L858R) Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Met668-Ala1210 (d746-750, T790M, C797S, L858R)) of Human EGFR (Accession #P00533) fused with a N-His-GST tag.

### Bio-Activity

The activity of EGFR is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

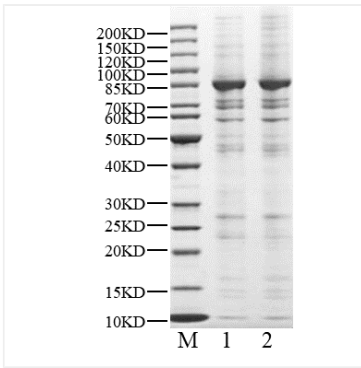
### Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

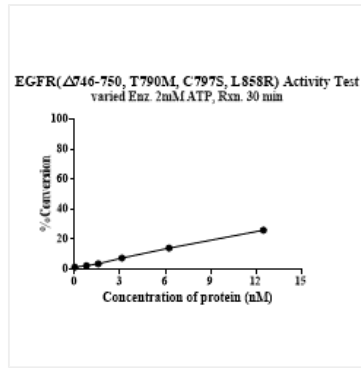
Aliquots below 10 μL are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

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## Validation Data



Recombinant Human HER1/ERBB1/EGFR (d746-750, T790M, C797S, L858R) Protein was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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