

Recombinant Human HER1/ERBB1/EGFR (d746-750, T790M, C797S) Kinase

Catalog No.: RP03369LQ

Sequence Information

Species	Gene ID
Human	1956
Swiss Prot	Tags
P00533	N-StreptII-GST&C-His

Synonyms

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

Product Information

Source	Purification
Baculovirus-Insect Cells	≥ 85% as determined by SDS-PAGE; ≥ 85% as determined by HPLC.

Calculated MW Observed MW

89.4 kDa 80-100 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Supplied as a 0.22 μm filtered solution in 50 mM Tris-HCl, 200 mM NaCl, 20% glycerol, 1 mM DTT. (pH 7.5). Contact us for customized product form or formulation.

Reconstitution

Please use running water to thaw it quickly.

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) Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Arg669-Ala1210 (d746-750, T790M, C797S)) of Human EGFR (Accession #P00533) fused with a N-StreptII-GST&C-His tag.

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.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -70°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

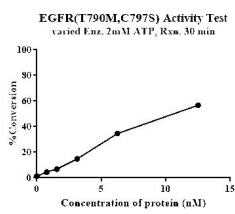
Contact

☎ | 400-999-6126

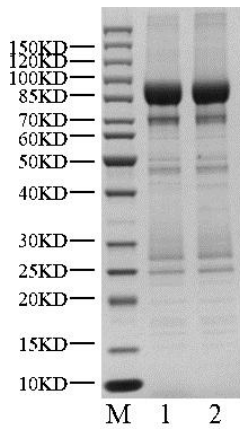
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



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.



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