Recombinant Human ErbB3/HER3 protein (rFc Tag)

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Catalog Number: Eg2245

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μg protein, LAL method

Source:
HEK293-derived Human ErbB3 protein Ser20-Thr643 (Accession# P21860-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
2065

Accession:
P21860-1

Predicted Molecular Mass:
94.9 kDa

SDS-PAGE:
95-130 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ under sterile conditions after reconstitution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Human epidermal growth factor receptor-3 (ERBB3) is a member of the ERBB receptor tyrosine kinases (RTKs) and is expressed in many malignancies. The importance of ErbB3 receptor tyrosine kinase in cancer progression, primary and acquired drug resistance, has become steadily evident since its discovery in 1989. ErbB3 overexpression in various solid organ malignancies is associated with shorter survival of patients.
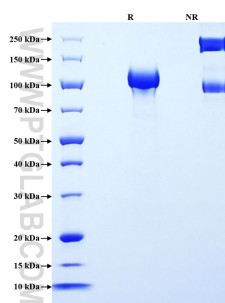
References

1.Chen, Yutao et al. (2024) Cancer Lett. 599:217146.
2.Hafeez, Umbreen et al. (2020) Expert Rev Anticancer Ther. 20(12):1057-1074.
3.Lin, Sue-Hwa et al. (2008) Clin Cancer Res. 14(12):3729-3736.

Synonyms

ERBB3, c erbB 3, c erbB3, EC:2.7.10.1, ErbB 3

Purity of Recombinant Human ErbB3 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.