

Recombinant Human Receptor Tyrosine-Protein Kinase ErbB-3/HER3 (C-6His)



Catalog Number:PKSH033900

Note: Centrifuge before opening to ensure complete recovery of vial contents.

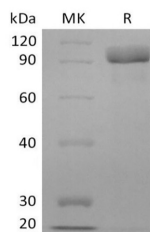
Description

Synonyms	Proto-oncogene-like protein c-ErbB-3;Tyrosine kinase-type cell surface receptor HER3;ERBB3;HER3
Species	Human
Expression Host	HEK293 Cells
Sequence	Ser20-Thr643
Accession	P21860
Calculated Molecular Weight	69.5 kDa
Observed molecular weight	85-100 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, 50% Glycerol, pH7.4.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Receptor tyrosine-protein kinase erbB-3 is an enzyme that in humans is encoded by the ERBB3 gene. This gene encodes a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. ERBB3 belongs to the protein kinase superfamily, tyrosine protein kinase family and EGF receptor subfamily. It contains 1 protein kinase domain and it is expressed in Epithelial tissues and brain. This membrane-bound protein has a neuregulin binding domain but not an active kinase domain. It therefore can bind this ligand but not convey the signal into the cell through protein phosphorylation. However, it does form heterodimers with other EGF receptor family members which do have kinase activity.

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