

Datasheet for ABIN7320073

ERBB3 Protein (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	ERBB3
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ERBB3 protein is labelled with His tag.

Product Details

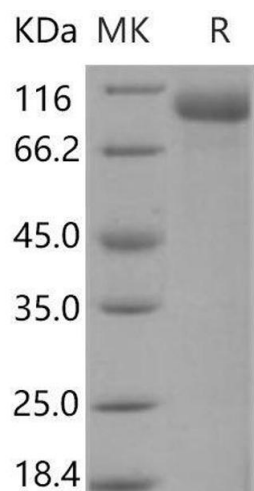
Purpose:	Recombinant Mouse HER3/ErbB3 Protein (His Tag)(Active)
Sequence:	Met 1-His 641
Characteristics:	A DNA sequence encoding the mouse ERBB3 (Q61526) extracellular domain (Met 1-His 641) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 93 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA.1. Immobilized mouse ErbB3-His at 10 µg/ml (100 µl/well) can bind biotinylated human NRG1 (isoform Beta1) with a linear range of 0.018-0.125 µg/ml.2. Immobilized mouse ErbB3-His at 10 µg/ml (100 µl/well) can bind biotinylated human NRG1 (aa 2-246)-Fc with a linear range of 6.25-100 ng/ml.

Target Details

Target:	ERBB3
Alternative Name:	HER3/ErbB3 (ERBB3 Products)
Background:	<p>Background: ErbB3, also known as Her3(human epidermal growth factor receptor3), is a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. This membrane-bound glycoprotein has a neuregulin binding domain but has not an active kinase domain., and therefore can not mediate the intracellular signal transduction through protein phosphorylation. However, its heterodimer with ErbB2 or other EGFR members responsible for tyrosine phosphorylation forms a receptor complex with high affinity, and initiates the related pathway which lead to cell proliferation or differentiation. ErbB3 has been shown to implicated in numerous cancers, including prostate, bladder, and breast tumors. This protein has different isoforms derived from alternative splicing variants, and among which, the secreted isoform lacking the intermembrane region modulates the activity of membrane-bound form.</p> <p>Immune Checkpoint Immunotherapy Cancer Immunotherapy Targeted Therapy</p> <p>Synonym: C76256;ErbB-3;ErbB-3r;ErbB3;ErbB3r;Her3</p>
Molecular Weight:	70 kDa
UniProt:	Q61526
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>



Western Blotting

Image 1.