

Active Recombinant Human ERBB3 protein, His-tagged, Biotinylated

Cat. No. ERBB3-283H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human ERBB3 protein(Ser 20 - Thr 643), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Ser20-Thr643
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human ErbB3, His Tag, primary amine labeling at 1 µg/mL (100 µL/well) on Streptavidin precoated (0.5 µg/well) plate, can bind Human NRG1 Beta 1, Fc Tag with a linear range of 0.5-8 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus.The protein has a calculated MW of 69.5 kDa. The protein migrates as 85-95 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.>90% as determined by SEC-MALS.

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Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please protect from light and avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	ERBB3 v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian) [Homo sapiens]
Official Symbol	ERBB3
Synonyms	ERBB3; v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian); LCCS2, lethal congenital contracture syndrome 2; receptor tyrosine-protein kinase erbB-3; HER3; proto-oncogene-like protein c-ErbB-3; tyrosine kinase-type cell surface receptor HER3; LCCS2; ErbB-3; c-erbB3; erbB3-S; MDA-BF-1; c-erbB-3; p180-ErbB3; p45-sErbB3; p85-sErbB3; MGC88033;
Gene ID	2065
mRNA Refseq	NM_001005915
Protein Refseq	NP_001005915
MIM	190151

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