

Active Recombinant Mouse Erbb4 Protein, His-tagged, Alexa Fluor 647 conjugated

Cat. No. Erbb4-7416MAF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 647 conjugated recombinant Mouse Erbb4 protein (Q61527) (Met1-Leu652) is produced by HEK293 Cells expression system. This protein is fused with a His tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Leu652 638
Form	Lyophilized
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized mouse ERBB4-His at 10 µg/mL (100 µL/well) can bind biotinylated human NRG1, The EC50 of biotinylated human NRG1 is 0.55-1.29 µg/mL.
Molecular Mass	The recombinant mouse ERBB4 comprises 638 amino acids and has a predicted molecular mass of 71.5 kDa. The apparent molecular mass of the protein is approximately 113 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU/ µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

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Characteristic	<p>Disulfide-linked homodimer</p> <p>Labeled with Alexa Fluor 647 via amines</p> <p>Excitation = 650 nm</p> <p>Emission = 668 nm</p>
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/mL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Shipping	<p>Shipped at ambient temperature.</p> <p>Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.</p>
Conjugation	Alexa Fluor 647

GENE INFORMATION

Gene Name	ErbB4 v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian) [Mus musculus]
Official Symbol	ErbB4
Synonyms	ERBB4; v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian); Her4; c-erbB-4;

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Gene ID	13869
mRNA Refseq	NM_010154
Protein Refseq	NP_034284
UniProt ID	Q61527

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