Datasheet for ABIN2870671

Neuregulin 4 Protein (NRG4) (AA 2-62) (His tag)

Go to Product page

1 Image

Overview

Quantity:	50 µg
Target:	Neuregulin 4 (NRG4)
Protein Characteristics:	AA 2-62
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Neuregulin 4 protein is labelled with His tag.

Product Details

Sequence:	AA 2-62
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 8.6 kDa. The protein migrates as 13 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	Neuregulin 4 (NRG4)
Alternative Name:	Neuregulin-4 (NRG4 Products)
Background:	Neuregulin 4 also known as NRG4 is a member of the neuregulin protein family which in humans is encoded by the NRG4 gene. Loss of expression of NRG4 is frequently seen in

Target Details

	advanced bladder cancer while increased NRG4 expression correlates to better survival. The neuregulins, including NRG4, activate type-1 growth factor receptors (EGFR) to initiating cell-to-cell signaling through tyrosine phosphorylation. Furthermore, NRG4 is a low affinity ligand for the ERBB4 tyrosine kinase receptor. Concomitantly recruits ERBB1 and ERBB2 coreceptors, resulting in ligand-stimulated tyrosine phosphorylation and activation of the ERBB receptors. NRG4 does not bind to the ERBB1, ERBB2 and ERBB3 receptors.
Molecular Weight:	8.6 kDa
UniProt:	Q8WWG1
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway

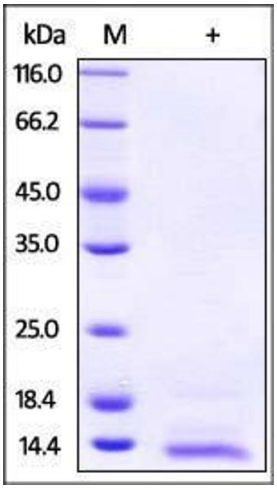
Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	50 mM Tris, 100 mM NaCl, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Images



SDS-PAGE

Image 1. Human NRG4 on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.