Datasheet for ABIN5608286

# Neuregulin 4 Protein (NRG4) (partial) (His tag)

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 50 µg |
| Target: | Neuregulin 4 (NRG4) |
| Protein Characteristics: | partial |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Neuregulin 4 protein is labelled with His tag. |
| Application: | Western Blotting (WB) |

## Product Details

| | |
|---|---|
| Sequence: | Pro 2 - Phe 62 |
| Purity: | >90 % as determined by SDS-PAGE. |
| Endotoxin Level: | Endotoxin level is less than 1.0 EU per ug 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 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- |

## Target Details

| | |
|---|---|
| | 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 |
| Gene ID: | 145957 |
| UniProt: | Q8WWG1 |
| Pathways: | RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway |

## Application Details

| | |
|---|---|
| Application Notes: | This recombinant protein can be used for WB. |
| Restrictions: | For Research Use only |

## Handling

| | |
|---|---|
| Format: | Lyophilized |
| Buffer: | 50 mM Tris, 100 mM NaCl, pH 7.5 |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C. |