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Product Datasheet

Recombinant Human NRG1Beta (71AA) EBT-EPT192

Article Name	Recombinant Human NRG1Beta (71AA)
Biozol Catalog Number	EBT-EPT192
Supplier Catalog Number	EPT192
Alternative Catalog Number	EBT-EPT192-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Neuregulin-1 Beta is produced by our E.coli expression system and the target gene encoding Thr176-Lys246 is expressed....
Molecular Weight	Molecular weight: 8.2 KDa. Apparent molecular weight: 7 KDa, reducing conditions
UniProt	Q02297
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. Background: neuregulin-1 (heregulin-1, NRG1) is a member of neuregulin family, which is comprised of four genes that encode a large number of secreted or membrane-bound isoforms. All family members share an EGF-like domain that interacts with the ErbB family of tyrosine kinase receptors. NRG1 isoforms can be classified into type I, type II and type III isoforms. NRG1 directs ligand for ERBB3 and ERBB4 tyrosine kinase receptors, concomitantly recruits ERBB1 and ERBB2 coreceptors, resulting in ligand-stimulated tyrosine phosphorylation and activation of the ERBB receptors. NRG proteins show distinct spatial and temporal expression patterns and play important roles during development of both the nervous system and the heart
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