

Recombinant human NRG1-β1 protein (Active, E.coli)

Catalog Number: bs-48073P

Species: Human

AA Seq: 177-241/645

Predicted MW: 7.5

Tags: Tag free

Activity: Yes

Endotoxin: ≤10 EU/mg

Purity: ≥ 95% as determined by SDS-PAGE.

Purification: AC

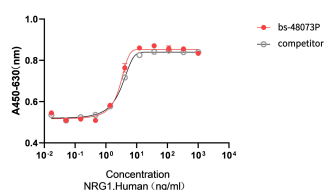
Form: Lyophilized

Storage: Lyophilized from a 0.22μm-filtered solution containing 10mM PB, 5% Trehalose and 0.01% Tween 80, pH7.4

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 36 months at -20°C to -80°C in lyophilized state. 6 months at -20°C to -80°C under sterile conditions after reconstitution. 7-10 days at 2°C to 8°C under sterile conditions after reconstitution.

Background: The protein encoded by this gene is a membrane glycoprotein that mediates cell-cell signaling and plays a critical role in the growth and development of multiple organ systems. An extraordinary variety of different isoforms are produced from this gene through alternative promoter usage and splicing. These isoforms are expressed in a tissue-specific manner and differ significantly in their structure, and are classified as types I, II, III, IV, V and VI. Dysregulation of this gene has been linked to diseases such as cancer, schizophrenia, and bipolar disorder (BPD). [provided by RefSeq, Jun 2014]

VALIDATION IMAGES



Measured in a cell proliferation assay using MCF-7 breast cancer cell line. The ED50 for this effect is 1-8 ng/mL.