

Neuritin-1 Human Recombinant

Item Number	rAP-2694
Synonyms	Neuritin 1, NRN1, NRN, dJ380B8.2, Neuritin.
Description	Recombinant Human NRN1 produced in E.coli cells is a non-glycosylated, homodimeric protein containing 2x88 amino acid chains and having a molecular mass of 19.4kDa. The NRN1 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9NPD7
Amino Acid Sequence	AGKCDAVFKG FSDCLLKLGD SMANYPQGLD DKTNIKTVCT YWEDFHSCTV TALTDCEGA KDMWDKLRKE SKNLNIQGSF FELCGSGN.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized NRN1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution NRN1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	The NRN1 was lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4. Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized NRN1 in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ as determined by a cell proliferation assay using rat C6 cells is less than 25ng/ml, corresponding to a specific activity of > 4.0 × 10 ⁴ IU/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**