Recombinant Human NXPH3, His-tagged

Cat. No. NXPH3-157H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Neurexophilin-3 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Gln23-Gly252) of Human NXPH3 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	23-252 a.a.
Description	Neurexophilin-3 is a secreted protein that belongs to the Neurexophilin family. The 252 amino acid Neurexophilin-3 precursor contains a 22 amino acid signal peptide, a 230 amino acid proprecursor that is likely cleaved at a basic motif, producing a 76 amino acid propeptide and a 154 amino acid mature protein. Neurexophilin-3 is selectively expressed in subplate-derived neurons in the cortex, granule cells in the vestibulocerebellum, Cajal-Retzius cells during development, with the highest leves in brain. Neurexophilin-3 may act as a signaling molecule that resembles neuropeptides that act as a ligand for alpha-neurexins.
Form	Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4
AA Sequence	QDDGPPGSEDPERDDHEGQPRPRVPRKRGHISPKSRPMANSTLLGLLAPPGEAWG ILGQPPNRPN HSPPPSAKVKKIFGWGDFYSNIKTVALNLLVTGKIVDHGNGTFSVHF QHNATGQGNISISLVPPS KAVEFHQEQQIFIEAKASKIFNCRMGWEKVERGRRTSLC THDPAKICSRDHAQSSATWSCSQPFK VVCVYIAFYSTDYRLVQKVCPDYNYHSDTP

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	YYPSGVDHHHHHH
Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Storage	Lyophilized protein should be stored at Reconstituted protein solution can be stored at 4-7°C for 2-7 days.Aliquots of reconstituted samples are stable at
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.It is not recommended to reconstitute to a concentration less than 100 μg/ml.Dissolve the lyophilized protein in 1X PBS.Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	NXPH3 neurexophilin 3 [Homo sapiens]
Official Symbol	NXPH3
Synonyms	NXPH3; neurexophilin 3; neurexophilin-3; NPH3;
Gene ID	11248
mRNA Refseq	NM_007225
Protein Refseq	NP_009156
MIM	604636
UniProt ID	O95157

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Chromosome Location	17q
Function	molecular_function; receptor binding;

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