

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 propeptide 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 levels 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 KAVEFHQEQQIFIEAKASKIFNCRMGWKVERGRRTSLC THDPAKICSRDHAQSSATWSCSQPFK VVCVYIAFYSTDYRLVQKVCPCDYNYSHTP

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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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