

**ChemWhat Technical Data Sheet (TDS)**

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<b>Catalog Number:</b>	107-24
<b>Source:</b>	<i>Escherichia coli</i> .
<b>Molecular Weight:</b>	Approximately 23.4 kDa, a homodimeric protein consisting of two 102 amino acid non-glycosylated polypeptide chains.
<b>Quantity:</b>	5µg/20µg/1000µg
<b>AA Sequence:</b>	ARLGARPCGL RELEVRVSEL GLGYASDETV LFRYCAGACE AAARVYDLGL RRLRQRRRLR RERVRAQPCC RPTAYEDEVS FLDAHSRYHT VHEL SARECA CV
<b>Purity:</b>	> 96 % by SDS-PAGE and HPLC analyses.
<b>Biological Activity:</b>	Fully biologically active when compared to standard. The biologically active as determined by its binding ability in a functional ELISA.
<b>Physical Appearance:</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Formulation:</b>	Lyophilized from a 0.2 µm filtered concentrated solution in 30 mM Citrate Sodium, pH 4.2, 400 mM NaCl, with 0.02 % Tween-20.
<b>Endotoxin:</b>	Less than 1 EU/µg of rHuNeurturin as determined by LAL method.
<b>Reconstitution:</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water to a concentration of <b>0.5 mg/mL</b> . Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
<b>Shipping:</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage:</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"><li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li><li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li><li>● 3 months, -20 to -70 °C under sterile conditions after reconstitution.</li></ul>
<b>Usage:</b>	<b>ChemWhat Limited in UK offers this branded product for research, development or further evaluation purposes. NOT FOR HUMAN USE.</b>

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***Human Neurturin***

Neurturin (NTN) is a member of the GDNF family of ligands that includes glial cell-derived neurotrophic factor (GDNF), neurturin, persephin, and artemin. GDNF family proteins are distant members of the TGF-beta superfamily. The amino acid sequence of human NTN shares 91 % identity with mouse NTN. NTN also shares about 42 % similarity with GDNF.