

NFL protein standard – Arg/Lys <sup>13</sup> C <sup>15</sup> N labelling	
Human Neurofilament light polypeptide (Uniprot accession number P07196)	
Product Description	Recombinant human NFL was expressed in <i>E. coli</i> without purification tag and purified using proprietary method including ion exchange chromatography.
Protein sequence	MSSFSYEPYYSTSYKRRYVETPRVHISSVRSGYSTARSAYSSYSAPVSSSLSVRRSYSS SSGSLMPLENLDLSQVAAISNDLKSIRTQEKAQLQDLNDRFASFIERVHELEQQNKVL EAELLVLRQKHSEPSRFRALYEQEIRDLRLAAEDATNEKQALQGEREGLEETLRNLQA RYEEEEVLSREDAEGRLMEARKGADEAALARAELEKRIDSLMDEISFLKKVHEEEIAELQ AQIQYAQISVEMDVTKPDLAALKDIRAQYEKLAAKNMQNAEEWFKSRFTVLTESAAK NTDAVRAAKDEVSESRLLKAKTLEIEACRGMNEALEKQLQELEDKQNADISAMQDTI NKLENELRTTKSEMARYLKEYQDLLNVKMLDIEIAAYRKLLEGEETRLSFTSVGSITSG YSQSSQVFGRSAYGGLQTSSYLMSTRSFPSYYTSHVQEEQIEVEETIEAAKAAEEAKDEP PSEGEAEEEEKDEEAEEEEAAEEEEAAKEESEEAKEEEEEGGEGEGEEETKEAEEEEK KVEGAGEEQAAKKDD
Predicted Molecular Mass	61.5 kDa
Expression system	<i>E. coli</i>
Purity	Greater than 95% as determined by SDS-PAGE analysis
Labelling	ARG- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> and LYS- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> >99% as determined by LC-MS/MS analysis of trypsin digested SIL-protein
Tag information	No Tag
Protein Content	Quantitation is carried out by Bradford protein assay using BSA as standard.
Formulation	Liquid 50 mM Sodium Phosphate pH7.0 buffer with 1 mM DTT
Shipping and storage	The product is frozen and shipped with dry ice. Store at -80°C upon receipt.
Usage	The product is for research use only. Not for diagnostic or therapeutic use.

