GeNei™ immunology research kits are aimed at helping our scientists to perform certain frequently used techniques in biological studies with greater ease. These kits are in 'ready to use' format with well standardized protocol and matched reagents for optimum results.

GeNei™ GST-Fusion Protein Purification Kit

Description: This kit is designed for rapid and efficient purification of Glutathione S-Transferase (GST) fusion protein from bacteria. The GST fusion protein from bacterial lysate is adsorbed on to Glutathione column. The column is washed and the protein is eluted using elution buffer.

Materials provided:

1. Glutathione CL-Agarose column.
2. Equilibration buffer (5X).
3. Wash buffer (5X).
4. Elution Buffer (5X).
5. Reduced Glutathione.

Storage: 4°C

Ordering Information:

Product	Size	Cat #
GeNei™ GST-Fusion Protein Purification Kit (5 Preparations)	1 No.	105587

GeNei™ His-Tag Fusion Protein Purification Kit

Description: This kit is designed for rapid and efficient purification of Histidine hexamer-tagged (His-tag) fusion protein from bacteria. The His-Tag fusion protein from bacterial lysate is adsorbed on to Nickel chelate immobilised column. The column is washed and the protein is eluted using elution buffer.

Material provided:

1. Nickel CL-Agarose column
2. Equilibration buffer (5X)
3. Wash buffer (5X)
4. Elution buffer (5X)

Storage: 4°C

Ordering Information:

Product	Size	Cat #
GeNei™ His-Tag Fusion Protein Purification Kit (5 Preparations)	1 No.	105588

New Polyhistidine Protein Purification Kit (TED Based)

Description: This kit enables fast and convenient purification of recombinant polyhistidine-tagged proteins by IMAC technology. (Immobilized Metal Ion Affinity Chromatography). The kit contains gravity flow columns pre-packed with cross-linked agarose based resin with TED as a chelating group. (Tris-Carboxymethyl Ethylene Diamine) The resin is pre-charged with Ni^{2+} ions and therefore ready to use. Genei Ni-TED yields target protein of excellent purity.

Highlights:

- High Purity is obtained
- No Imidazole necessary for Equilibration and Washing
- More specific binding than IDA
- Low Imidazole concentration for elution
- Low Metal Leaching
- High Stability against reducing/chelating agents

Materials provided:

1. Nickel-TED CL-Agarose column
2. Equilibration Buffer (5X)
3. Elution Buffer (5X)

Storage: 4°C

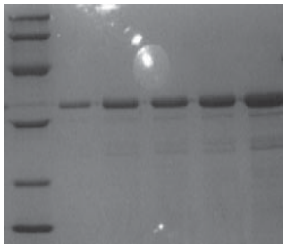

Fig: Purification of Polyhistidine-tagged fusion protein

Lane 1 : Marker (97.4-14.3kD)
Lane 2-6 : 1-5 μg of purified protein

Ordering Information:

Product	Size	Cat #
Polyhistidine Protein Purification Kit (TED Based)	1 No.	117763