Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com

# DATASHEET

Recombinant human NENF protein

## Product overview

| | |
|---|---|
| **Name** | Recombinant human NENF protein |
| **Cat No** | HB8866 |
| **Biological description** | The NENF protein is involved in various biological processes such as neural function, adipogenesis and tumorigenesis. |
| **Species of origin** | human |
| **Alternative names** | Recombinant Human Neudesin Neurotrophic Factor, Neudesin, Cell immortalization-related protein 2, Neuron-derived neurotrophic factor, Secreted protein of unknown function, SPUF protein, NENF, CIR2, SPUF, SCIRP10. |
| **Purity** | >95% |
| **Description** | Human Neudesin Neurotrophic Factor protein |

## Solubility & Handling

| | |
|---|---|
| **Solubility overview** | To make a working stock solution, add deionized water to make a solution (0.5mg/mL) and allow the lyophilized material to dissolve. Filter the product using an appropriate sterile filter before using it in cell culture |
| **Handling** | • Solutions should be made in sterile deionized water (not less than 100 µg/ml). This solution can then be further diluted with other aqueous solutions.<br>• Following reconstitution, solutions may be stored at 4°C and are useable for around 2-7 days and for future use store at -18°C.<br>• Freeze-thaw cycles should be prevented. |
| **Shipping Conditions** | Stable for ambient temperature shipping. Follow storage instructions on receipt. |
| **Important** | This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use |

## Chemical Data

| | |
|---|---|
| **UniProt ID** | Q9UMX5 |
| **Source** | E. Coli. |
| **Appearance** | White lyophilized powder (filtered & freeze-dried) |
| **Formulation** | Filtered (0.4µm) and lyophilized from a solution (0.5mg/ml) in phosphate buffer (50mM, pH 7.4) and NaCl (75mM) |

## References

**Neudesin as a unique secreted protein with multi-functional roles in neural functions, energy metabolism, and tumorigenesis**

Ohta H *et al* (2015) Front Mol Biosci 2
**PubMedID** 26042224

**Neudesin Neurotrophic Factor Promotes Bovine Preadipocyte Differentiation and Inhibits Myoblast Myogenesis**

Su X *et al* (2019) Animals (Basel) 9(12)
**PubMedID** 31835509