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# Recombinant human NREP protein

Catalog Number: ATGP2444

# **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

1-68aa

#### UniProt No.

016612

#### **NCBI Accession No.**

NP 004763

### **Alternative Names**

Neuronal regeneration-related protein isoform a, C5orf13, D4S114, P311, PRO1873, PTZ17, SEZ17

# PRODUCT SPECIFICATION

## **Molecular Weight**

10.3 kDa (91aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl

#### **Purity**

> 85% by SDS-PAGE

#### Tag

His-Tag

# **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

NREP, as known as neuronal regeneration-related protein, has roles in neural function. It promotes axonal regeneration. It may also have functions in cellular differentiation. This protein induces differentiation of fibroblast into myofibroblast and increases retinoic-acid regulation of lipid-droplet biogenesis. Recombinant human NREP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.



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# **Amino acid Sequence**

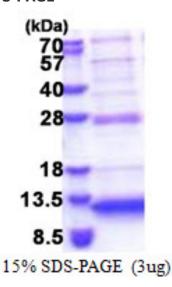
MGSSHHHHHH SSGLVPRGSH MGSMVYYPEL FVWVSQEPFP NKDMEGRLPK GRLPVPKEVN RKKNDETNAA SLTPLGSSEL RSPRISYLHF F

## **General References**

Yasui DH. et al. (2013) Mol Autism. 4:3 Gerhard DS,. et al. (2004) Genome Res. 14:2121-2127.

# **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

