

Recombinant human NREP protein

Catalog Number: ATGP2444

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-68aa

UniProt No.

Q16612

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

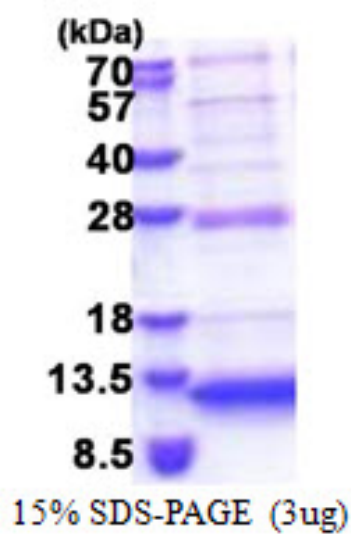
MGSSHHHHHH SSSLVPRGSH MGSMVYYPEL FVWVSQEPFP NKDMEGRLPK GRLPVPKEVN RKKNDETNAA SLTPLGSSEL
RSPRISYLHF F

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.