
Product Data Sheet

Product Name: NREP Human
 Cat. No.: GP24064
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Neuronal regeneration-related protein; Neuronal protein 3.1; Protein p311; NREP; C5orf13; P311; PTZ17; Chromosome 5 Open Reading Frame 13; Neuronal Regeneration Related Protein Homolog (Rat); D4S114; PRO1873; SEZ17; Neuronal Regeneration Related Protein Homolog; Neuronal Regeneration-Related Protein.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMVYPEL FVWVSQEPFP NKDMEGRLPK GRLPVPKEVN RKKNDETNAA SLTPLGSSEL RSPRISYLHF F.		
Formulation	The NREP solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.		

Introduction

Neuronal Regeneration Related Protein (NREP) has roles in neural function. NREP promotes axonal regeneration. In addition, NREP has functions in cellular differentiation. NREP protein induces differentiation of fibroblast into myofibroblast and increases retinoic-acid regulation of lipid-droplet biogenesis. NREP down-regulates the expression of TGFB1 and TGFB2 but not of TGFB3. NREP has a role in the regulation of alveolar generation.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

NREP Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 91 amino acids (1-68) and having a molecular mass of 10.3kDa. NREP is

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA