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Recombinant human NEURL2 protein

Catalog Number: ATGP2297

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-285aa

UniProt No.

09BR09

NCBI Accession No.

NP 542787

Alternative Names

Neuralized homolog 2, C20orf163, OZZ, Ozz-E3, Neuralized E3 ubiquitin protein ligase 2, Neuralized-like 2

PRODUCT SPECIFICATION

Molecular Weight

34.1 kDa (308aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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

NEuRL2 plays an important role in the process of myofiber differentiation and maturation. This protein is probable substrate-recognition component of a SCF-like ECS (Elongin BC-CuL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex, which mediates the ubiquitination of proteins. It probably contributes to catalysis through recognition and positioning of the substrate and the ubiquitin-conjugating enzyme. During myogenesis, NEuRL2 controls the ubiquitination and degradation of the specific pool of CTNNB1/beta-catenin located at the sarcolemma. Recombinant human NEuRL2 protein, fused to His-tag at N-terminus, was expressed in E. coli and



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purified by using conventional chromatography techniques.

Amino acid Sequence

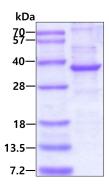
<MGSSHHHHHH SSGLVPRGSH MGS>MAAASEP VDSGALWGLE RPEPPPTRFH RVHGANIRVD PSGTRATRVE SFAHGVCFSR EPLAPGQVFL VEIEEKELGW CGHLRLGLTA LDPASLAPVP EFSLPDLVNL GHTWVFAITR HHNRVPREGR PEAEAAAPSR PPTLLVEPYL RIEQFRIPRD RLVGRSRPGL YSHLLDQLYE LNVLPPTARR SRLGVLFCPR PDGTADMHII INGEDMGPSA RGLPAAQPLY AVVDVFASTK SVRLVQLEYG LPSLQTLCRL VIQRSMVHRL AIDGLHLPKE LKDFCKYE

General References

Aurino, S., et al. (2008) Acta Myol 27, 90-97 Song, R., et al. (2006) J. Biol. Chem. 281 (47), 36391-36400

DATA

SDS-PAGE



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

