

# Recombinant human NEURL2 protein

Catalog Number: ATGP2297

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-285aa

### UniProt No.

Q9BR09

### 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

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### 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

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### 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 SRLGVLF CPR PDGTADMHII  
INGEDMGPSA RGLPAAQPLY AVVDVFASTK SVRLVQLEYG LPSLQTLCLRL VIQRSMVHRL AIDGLHLPKE LKDFCKYE

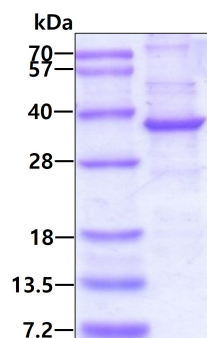
## General References

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.