

# Recombinant human Otoraplin/OTOR protein

Catalog Number: ATGP3016

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

26-128aa

### UniProt No.

Q9NRC9

### NCBI Accession No.

NP\_064542

### Alternative Names

Otoraplin, Otoraplin, FDP, MIAL1

## PRODUCT SPECIFICATION

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### Molecular Weight

14.3 kDa (128aa)

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 30% glycerol, 1mM DTT

### Purity

> 90% 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

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### Description

OTOR also known as Otoraplin, is a member of the melanoma-inhibiting activity gene family. The protein is secreted via the Golgi apparatus and may function in cartilage development and maintenance. A frequent polymorphism in the translation start codon of this gene can abolish translation and may be associated with forms of deafness. Recombinant human OTOR protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSMLASKK LCADDECVYT ISLASAQEDY NAPDCRFINV KKGQIQYVYS KLVKENGAGE  
FWAGSVYGDG QDEMGVVG YF PRNLVKEQRV YQEATKEVPT TDIDFFCE

## General References

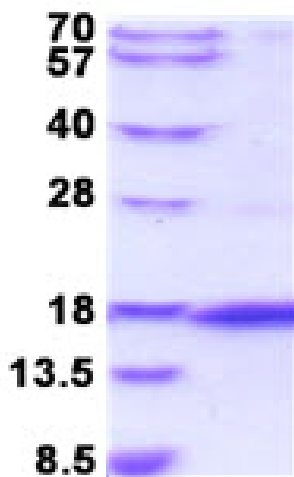
Robertson N.G., et al. (2000) Genomics 66:242-248.

Rendtorff N.D., et al. (2001) Genomics 71:40-52.

## DATA

### SDS-PAGE

(kDa)



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

15% SDS-PAGE (3ug)