

# Recombinant human MREG protein

Catalog Number: ATGP2582

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

1-214aa

### UniProt No.

Q8N565

### NCBI Accession No.

NP\_060470.2

### Alternative Names

Melanoregulin, DSu, WDT2

## PRODUCT SPECIFICATION

---

### Molecular Weight

27.3 kDa (237aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% 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

---

### Description

Melanoregulin, also known as MREG, is thought to play a role in membrane fusion and in regulating the biogenesis of disk membranes of photoreceptor rods. MREG is expressed in photoreceptor cells as two isoforms due to alternative splicing. MREG interacts with Peripherin-2, a photoreceptor specific tetraspanin protein that is required to maintain normal cell structure during the renewal process of membrane fusion. Recombinant human MREG protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

# Recombinant human MREG protein

Catalog Number: ATGP2582

## Amino acid Sequence

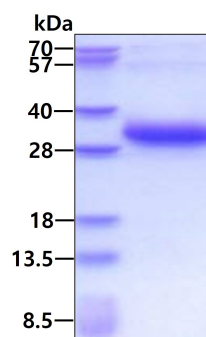
<MGSSHHHHHH SSGLVPRGSH MGS>MGLRDWL RTVCCCCGCE CLEERALPEK EPLVSDNNPY SSFGATLVRD  
DEKNLWSMPH DVSHT EADDD RTLYNLIVIR NQQAKDSEEW QKLNVDIHTL RQVRREVRNR WKCILEDLGF QKEADSLLSV  
TKLSTISDSK NTRKAREMLL KLA EETNIFP TSWELSERYL FVDRLIALD AAEEFFKLAR RTYPPKPGVP CLADGQKELH  
YLPPFPSP

## General References

Loewen C J., et al. (2003) Mol Biol Cell. 14: 3400-3413.  
Roof D J., et al. (1982) J Cell Biol. 95: 501-509.

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.