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# Recombinant human ITGB3BP protein

Catalog Number: ATGP2058

### **PRODUCT INFORMATION**

#### **Expression system**

E.coli

#### **Domain**

1-216aa

#### **UniProt No.**

013352

#### **NCBI Accession No.**

NP 001193668

#### **Alternative Names**

Cntromere protein R isoform 1, CENP-R, CENPR, HSu37139, NRIF3, TAP20

### PRODUCT SPECIFICATION

#### **Molecular Weight**

27.1 kDa (239aa)

#### 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**

> 90% 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**

Cntromere protein R isoform 1, also known as ITGB3BP1, is a widely expressed protein that contains a DD1 or RepD1 domain and an LXXLL motif. Induced by estrogen, ITGB3BP1 is believed to function as a nuclear receptor coactivator. It also associates with the CENP-A-CAD complex which is involved in mitotic progression, the assembly of kinetochore proteins and chromosome segregation. It acts as a transcriptional corepressor via its interaction with the NFKB1 NF-kappa-B subunit, possibly by interfering with the transactivation domain of NFKB1. Recombinant human ITGB3BP1 protein, fused to His-tag at N-terminus, was expressed in E. coli.



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## **Amino acid Sequence**

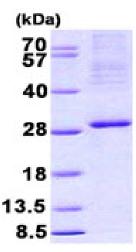
MGSSHHHHHH SSGLVPRGSH MGSMPFAPVA QARVQWHDFR SLQHLLPAFK RFSCLSLGSS WDYSVKRSLK LDGLLEENSF DPSKITRKKS VITYSPTTGT CQMSLFASPT SSEEQKHRNG LSNEKRKKLN HPSLTESKES TTKDNDEFMM LLSKVEKLSE EIMEIMQNLS SIQALEGSRE LENLIGISCA SHFLKREMQK TKELMTKVNK QKLFEKSTGL PHKASRHLDS YEFLKAILN

#### **General References**

Foltz D R., et al. (2006) Nat Cell Biol. 8:458-469.

# **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

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

