

Recombinant Human integrin beta 3 binding protein (beta3- endonexin), His-tagged

Cat. No. ITGB3BP-543H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ITGB3BP, 1-216aa, Human His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-216 a.a.
Description	Centromere 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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	27.1 kDa (239aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMFPAPVA QARVQWHDFR SLQHLLPAFK RFSCLSLGSS WDYSVKRSLK LDGLLENSF DPSKITRKKS VITYSPTTGT CQMSLFASPT SSEEQKHRNG LSNEKRKKLN HPSLTESKES TTKDNDEFMM

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LLSKVEKLSE EIMEIMQNLS SIQALEGSRE LENLIGISCA SHFLKREMQK
TKELMTKVNK QKLF EKSTGL PHKASRHLDS YEFLKAILN

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [ITGB3BP integrin beta 3 binding protein \(beta3-endonexin\) \[Homo sapiens \]](#)

Official Symbol ITGB3BP

Synonyms ITGB3BP; integrin beta 3 binding protein (beta3-endonexin); centromere protein R; CENPR; HSU37139; NRIF3; TAP20; beta 3 endonexin; beta-3-endonexin; integrin beta-3-binding protein; nuclear receptor-interacting factor 3; CENP-R;

Gene ID [23421](#)

mRNA Refseq [NM_001206739](#)

Protein Refseq [NP_001193668](#)

MIM [605494](#)

UniProt ID [Q13352](#)

Chromosome Location 1p31.3

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Pathway

Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; DNA Replication, organism-specific biosystem; Deposition of New CENPA-containing Nucleosomes at the Centromere, organism-specific biosystem; M Phase, organism-specific biosystem;

Function

protein C-terminus binding; signal transducer activity;

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