

## Product datasheet for **SC320275**

### ITGB3BP (NM\_014288) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ITGB3BP (NM_014288) Human Untagged Clone
Tag:	Tag Free
Symbol:	ITGB3BP
Synonyms:	CENP-R; CENPR; HSU37139; NRIF3; TAP20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_014288.3  
CTGGGTTTCGTTTTATTTCAGCGGCAGTGGTGCTTTCCCGAATCTCAGAATGCCTGTAAAA  
GATCACTGAAGTTGGATGGTCTGTTAGAAAGAAAATTCATTTGATCCTTCAAAAATCACAA  
GGAAGAAAAGTGTATAACTTATTCTCCAACAACCTGGAACCTGTCAAATGAGTCTATTTG  
CTTCTCCCAAGTTCTGAAGAGCAAAAGCACAGAAATGGACTATCAAATGAAAAGAGAA  
AAAAATTGAATCACCCAGTTAACTGAAAGCAAAGAATCTACAACAAAAGACAATGATG  
AATTCATGATGTTGCTATCAAAAGTTGAGAAATGTCAGAAAGAAATCATGGAGATAATGC  
AAAATTTAAGTAGTATACAGGCTTTGGAGGGCAGTAGAGAGCTTGAAAATCTCATTGGAA  
TCTCCTGTGCATCACATTTCTTAAAAAGAGAAATGCAGAAAACCAAGAAGAACTAATGACAA  
AAGTGAATAAACAAAACTGTTTAAAAAGAGTACAGGACTTCCTCACAAAGCATCACGTC  
ATCTTGACAGCTATGAATTCCTTAAAGCCATTTTAACTGAGGCATTAAGAAGAAATGCA  
CTCACCATGAGCACCAACTTCTGCATCTGCCTGATCATATTTAAAGGAACAGAGAAATAT  
TTGTAATTAATCTGCCCAGTAAATACCAGCTCGTAGCAGTTGGCAGGTGCATGTCTAGAT  
AAAATTTCTTGACGCTAATTTAACTTTCTACACGCACCAGTAGATAATCTCAATGTAAA  
TAATACATTTCTTCTGGCTCTTTAATGTAAGCCAACATGGAGAGGAAGATCTTGACTTA  
TATTCTGTACCACATACACTTCTGTGGACTTTTAGCATTTGTGGGTAGACTTAATAAAGC  
ATGTATAAAAGTAAAAAAAAAAAAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_014288
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_014288.3</a> , <a href="#">NP_055103.3</a>
<b>RefSeq Size:</b>	892 bp
<b>RefSeq ORF:</b>	534 bp
<b>Locus ID:</b>	23421
<b>UniProt ID:</b>	<a href="#">Q13352</a>
<b>Cytogenetics:</b>	1p31.3
<b>Protein Families:</b>	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
<b>Gene Summary:</b>	<p>This gene encodes a transcriptional coregulator that binds to and enhances the activity of members of the nuclear receptor families, thyroid hormone receptors and retinoid X receptors. This protein also acts as a corepressor of NF-kappaB-dependent signaling. This protein induces apoptosis in breast cancer cells through a caspase 2-mediated signaling pathway. This protein is also a component of the centromere-specific histone H3 variant nucleosome associated complex (CENP-NAC) and may be involved in mitotic progression by recruiting the histone H3 variant CENP-A to the centromere. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2011]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. Isoform 2 is shorter, compared to isoform 1.</p>