

Product datasheet for **SC312930**

B7H3 (CD276) (NM_025240) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B7H3 (CD276) (NM_025240) Human Untagged Clone
Tag:	Tag Free
Symbol:	B7H3
Synonyms:	4lg-B7-H3; B7-H3; B7H3; B7RP-2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_025240 edited
CCGGGCCTCGCTGCGGGCGGCGACTGAGCCAGGCTGGGCCGCGTCCCTGAGTCCCAGAGTC
GGCGCGGCGCGGCAGGGGAGCCCTTCCACCACGGGGAGCCAGCTGTGAGCCGCTCACA
GGAAGATGCTGCGTGGCGGGGAGCCCTGGCATGGGTGTGCATGTGGGTGCAGCCCTGG
GAGCACTGTGGTTCTGCCTCACAGGAGCCCTGGAGGTCCAGGTCCCTGAAGACCCAGTGG
TGGCACTGGTGGGCACCGATGCCACCCTGTGCTGCTCCTTCTCCCCTGAGCCTGGCTTCA
GCCTGGCAGAGCTCAACCTCATCTGGCAGCTGACAGATACCAAACAGCTGGTGCACAGCT
TTGCTGAGGGCCAGGACCAGGGCAGCGCCTATGCCAACCGCACGGCCCTTCCCGGACC
TGCTGGCACAGGGCAACGCATCCCTGAGGCTGCAGCGCGTGCCTGTGGCGGACGAGGGCA
GCTTACCTGCTTCGTGAGCATCCGGGATTTCCGGCAGCGCTGCCGTGAGCCTGCAGGTGG
CCGCTCCCTACTCGAAGCCAGCATGACCCTGGAGCCCAACAAGGACCTGCGGCCAGGGG
ACACGGTGACCATCACGTGCTCCAGCTACCGGGGCTACCCTGAGGCTGAGGTGTTCTGGC
AGGATGGGCAGGGTGTGCCCTGACTGGCAACGTGACCACGTGCGAGATGGCCAACGAGC
AGGGCTTGTGATGTGCACAGCGTCTCGGGTGGTGTGGGTGCGAATGGCACCTACA
GCTGCCTGGTGCACACCCCGTGTGCAGCAGGATGCGCACGGCTCTGTACCATCACAG
GGCAGCCTATGACATTCACCCAGAGGCCCTGTGGGTGACCGTGGGGCTGTCTGTCTGTC
TCATTGCACTGCTGGTGGCCCTGGCTTTCGTGTGCTGGAGAAAGATCAAACAGAGCTGTG
AGGAGGAGAATGCAGGAGCTGAGGACCAGGATGGGGAGGGAGAAGGCTCCAAGACAGCCC
TGACGCTCTGAAACACTCTGACAGCAAAGAAGATGATGGACAAGAAATAGCCTGACCAT
GAGGACCAGGGAGCTGTACCCCTCCCTACAGCTCCTACCCTCTGGTGCATGGGGCTG
CACTGTGAGCCCTGCCCCAACAGATGCATCCTGCTCTGACAGGTGGGCTCCTTCTCAA
AGGATGCGATACACAGACCACTGTGCAGCCTTATTTCTCCAATGGACATGATTTCCAAGT
CATCCTGCTGCCTTTTTTCTTATAGACACAATGAACAGACACCCACAACCTTAGTTCTC
TAAGTCATCCTGCCTGCTGCCTTATTTACAGTACATACATTTCTTAGGGACACAGTACA
CTGACCACATCACACCCTCTTCTTCCAGTGTGCGTGGACCATCTGGCTGCCTTTTTTC
TCCAAAAGATGCAATATTCAGACTGACTGACCCCTGCCTTATTTACCAAAGACACGAT
GCATAGTACACCCCGCCTTGTCTTCCAATGGCCGTGATACACTAGTATCATGTTACAGC
CCTGCTTCCACCTGCATAGAATCTTTTCTTCTCAGACAGGGACAGTGGCCCTCAACATC
TCCTGGAGTCTAGAAGCTGTTTCTTCCCTCCTTCTCCTCTGCTCTAGCCTAATA
CTGGCCTTTTCCCTCCCTGCCCCAAGTGAAGACAGGGCACTCTGCGCCACCACATGCAC
AGCTGTGCATGGAGACCTGCAGGTGCACGTGCTGGAACACGTGTGTTCCCCCTGGCC
AGCCTCCTCTGCAGTGCCTCTCCCTGCCATCCTCCCACGGAAGCATGTGCTGGTC
ACACTGGTTCTCCAGGGTCTGTGATGGGGCCCTGGGGGTGAGTCTGTCCCTCTGCC
TTCTCACCTCTTTGTTCTTTTCTTTTTCATGTATCCATTGAGTTGATGTTTATTGAGCAAC
TACAGATGTCAGCACTGTGTTAGGTGCTGGGGCCCTGCGTGGGAAGATAAAGTTCCTCC
CTCAAGGACTCCCCATCCAGCTGGGAGACAGACAATACTAATACTGACCCCTGCGGTTT
GCAGGGGGCTCCTGCCTGGCTCCCTGCTCCACACCTCCTCTGTGGCTCAAGGCTTCTGG
ATACCTCACCCCATCCACCCATAATTCTTACCAGAGCATGGGGTGGGGCGGAAACC
TGGAGAGAGGGACATAGCCCTCGCCACGGCTAGAGAATCTGGTGGTGTCCAAAATGTCT
GTCCAGGTGTGGCAGGTGGGCAGGCACCAAGGCCCTCTGGACTTTCATAGCAGCAGAA
AAGGCAGAGCCTGGGGCAGGGCAGGGCCAGGAATGCTTTGGGGACACCGAGGGGACTGCC
CCCCACCCACCATGGTGTATTCTGGGGCTGGGGCAGTCTTTTCTGGCTTGCCTCTG
GCCAGCTCCTGGCTCTGGTAGAGTGAGACTTCAGACGTTCTGATGCCTTCCGGATGTCA
TCTCTCCCTGCCAGGAATGGAAGATGTGAGGACTTCTAATTTAAATGTGGGACTCGGA
GGGATTTGTAACTGGGGTATATTTGGGGAAAATAAATGTCTTTGAAAAAGCTTAA
AAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_025240 unedited</p> <pre> ATTTCCCCCGCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAG CAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGC GAATTCGGCACGAGGCCGGGCCTCGCTGCGGGCGGCGACTGAGCCAGGCTGGGCCGCGTCC CTGAGTCCCAGAGTCGGCGCGGCGGGCAGGGGACGCTTCCACCACGGGAGCCAGCT GTCAGCCGCTCACAGGAAGATGCTGCGTCGGCGGGCAGCCCTGGCATGGTGTGCATG TGGTGCAGCCCTGGGAGCACTGTGGTTCTGCCACAGGAGCCCTGGAGGTCCAGGTCC CTGAAGACCCAGTGGTGGCACTGGTGGCACCGATGCCACCCTGTGCTGCTCCTTCTCCC CTGAGCCTGGCTTCAGCCTGGCAGACTCAACCTCATCTGGCAGCTGACAGATACCAAAC AGCTGGTGACAGCTTTGCTGAGGGCCAGGACCAGGGCAGCGCCTATGCCAACCGCACGG CCCTCTTCCCGACTGCTGGCAGGGCAACGCATCCCTGAGGCTGCAGCGCTGCGTG TGGCGGACGAGGGCAGCTTACCTGCTTCGTGAGCATCCGGGATTTGGCAGCGTGCCG TCAGCTGCAGGTGGCCGCTCCCTACTCGAAGCCAGCATGACCCTGGAGCCACAAGGA CCTGCGGCCAGGGGACACGGTGACCATCACGTGCTCCAGTACCAGNGCTACCCTGAGGC TGAGGTGTTCTGGCAGGATGGGAGGGTGTGCCCTGACTGGCAACGTGACCCCGTCGCA GATGGCCACGAGCNAGGCTTTGTTGATGTGCACAGCATCTGCGGGTGGTCTGGGTGCA ATGGGACCTACAGCTGNCTGGGCGCAACCCCGTGTGNACAGGNATGCCCGAGCTCTGTA CCATCCACCCAGAGAG </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_025240 unedited</p> <pre> GNTTTATTATATTCTTTTTTTNNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTTTTTTTACAAAAACATTTTTTTTCCCAAATTTACC CCCGTTTTAAAAAACCCCGGGGCCCATTTAAATTAAGGCCACATTTTTCT TCCGGGGGGGGGAAATTAACCCGGGGGGGTCAAAACGGGGGAGTTTCCCTCC CAAAGGCCGGAGCTGGGCCGAGGGAACCCGGAATAATGGCCCCCCCCAAATAAC CCCGGGGGGGGGGGGGGGGGTCCCCTCGGGGGGCCAAAAATTTCTGGCCTGGCC TGGCCAGGGTTTGGCTTTTTGGGGTTTAAAGGGCCAAAGGGGCTGGGGCTGGCC CCCTGGCCACACTGGGGAGAAATTTGGGCACCCCAATTTTTTACGGGGGGGGGG GGTTTGTCCCTTTCCAGGTTCCGCCCAACCCCTGGTTGGGAAAAAATATGGG GGGGGGGGGGGAGGGATCCAGGAAGCCCTGGGCCCAAAAGAGGGGTGGGCGAGGGAG CCAAGGAGGAGCCCTGGAAACCCCAAGGGGGCAGGGTATTTAGTTGGCTGGCTCCCC CTGGTGGGGAGCCTTGGGGGGGAAATTTTTTTTTCCACGCGGGGGCCCCGGACCTAA AAAAGGGGGGAGCTTGGGGTGGCGTCAAAAACTCCACGCGAGGGGTCCCGAAAAA AAAGGGACAAAAAGGGGAGAAGGGGAAGGGCAAAATCGACCCCGGGGGGCCCTTACA AAACCCTGGGAAAACCGGGGGACCCACCATGTTCCGGGGGGGAGGGG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_025240
Insert Size:	2700 bp
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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
Components:	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).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	NM_025240.2 , NP_079516.1
RefSeq Size:	2765 bp
RefSeq ORF:	951 bp
Locus ID:	80381
UniProt ID:	Q5ZPR3
Cytogenetics:	15q24.1
Domains:	ig, IGc2, IG
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs)
Gene Summary:	<p>The protein encoded by this gene belongs to the immunoglobulin superfamily, and thought to participate in the regulation of T-cell-mediated immune response. Studies show that while the transcript of this gene is ubiquitously expressed in normal tissues and solid tumors, the protein is preferentially expressed only in tumor tissues. Additionally, it was observed that the 3' UTR of this transcript contains a target site for miR29 microRNA, and there is an inverse correlation between the expression of this protein and miR29 levels, suggesting regulation of expression of this gene product by miR29. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]</p> <p>Transcript Variant: This variant (2) lacks two alternate in-frame exons in its 5' coding region compared to variant 1. The encoded isoform (b) has the same N- and C-termini but is shorter compared to isoform a. Both variants 2 and 3 encode the same isoform (b).</p>