

## Product datasheet for **SC126343**

### Albumin (ALB) (BC035969) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Albumin (ALB) (BC035969) Human Untagged Clone
Tag:	Tag Free
Symbol:	Albumin
Synonyms:	albumin; cell growth inhibiting protein 42; DKFZp779N1935; growth-inhibiting protein 20; PRO0883; PRO0903; PRO1341; serum albumin
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for BC035969 edited  
 CTAGCTTTTCTCTTCTGTCAACCCACACGCCTTTGGCACAATGAAGTGGGTAACCTTTA  
 TTTCCCTTCTTTTTCTCTTTAGCTCGGCTTATTCCAGGGGTGTGTTTCGTCGAGATGCAC  
 ACAAGAGTGAGGTTGCTCATCGGTTTAAAGATTTGGGAGAAGAAAATTTCAAAGCCTTGG  
 TGTTGATTGCCTTTGCTCAGTATCTTCAGCAGTGTCCATTTGAAGATCATGTAAAATTAG  
 TGAATGAAGTAACTGAATTTGCAAAAACATGTGTTGCTGATGAGTCAGCTGAAAATTGTG  
 ACAAACTCACTTCATACCCCTTTTGGAGACAAATTATGCACAGTTGCAACTCTTCGTGAAA  
 CCTATGGTGAAATGGCTGACTGCTGTGCAAAAACAAGAACCCTGAGAGAAAATGAATGCTTCT  
 TGCAACACAAAAGATGACAACCCAAACCTCCCCGATTGGTGAGACCAGAGGTTGATGTGA  
 TGTGCACTGCTTTTCATGACAATGAAGAGACATTTTTGAAAAAATACTTATATGAAACCA  
 CTCTAGAGAAGTGTGTCGCGCTGCAGATCCTCATGAATGCTATGCCAAAGTGTTCGATG  
 AATTTAAACCTCTTGGAAGAGCCTCAGAATTAATCAAACAAAATTGTGAGCTTTTTG  
 AGCAGCTTGGAGAGTACAAATCCAGAATGCGCTATTAGTTCGTTACACCAAGAAAGTAC  
 CCCAAGTGTCAACTCCAACCTTTGTAGAGGTCTCAAGAAACCTAGGAAAAGTGGGCAGCA  
 AATGTTGTAACATCCTGAAGCAAAAAGAAATGCCCTGTGCAGAAGACTATCTATCCGTGG  
 TCTGAAACCAGTTATGTGTGTTGCATGAGAAAACGCCAGTAAGTGACAGAGTCACCAAAT  
 GCTGCACAGAATCCTTGGTGAACAGGCGACCATGCTTTTCAGCTCTGGAAGTCGATGAAA  
 CATACGTTCCCAAAGAGTTAATGCTGAAACATTCACCTTCCATGCAGATATATGCACAC  
 TTTCTGAGAAGGAGAGACAAATCAAGAAACAACTGCCTTGTGAGCTCGTGAAACACA  
 AGCCCAAGGCAACAAAAGAGCAACTGAAAGCTGTTATGGATGATTTTCGCAGCTTTTGTAG  
 AGAAGTGTGCAAGGCTGACGATAAGGAGACCTGCTTTGCCGAGGAGGGTAAAAAATTG  
 TTGCTGCAAGTCAAGCTGCCTTAGGCTTATAACATCACATTTAAAAGCATCTCAGCCTAC  
 CATGAGAATAAGAGAAAAGAAAATGAAGATCAAAAAGCTTATTCATCTGTTTTCTTTTTCG  
 TTGGTGTAAAGCCAACCCCTGTCTAAAAAACATAAATTTCTTTAATCATTGTCCTCTT  
 TTCTCTGTGCTTCAATTAATAAAAAATGAAAAGATCTAAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for BC035969 unedited  
 GGTTTCATTATATTTGTATACGACTCATATAGCGGCCCGTAATTCGCCATTACGGCCGG  
 GGCTAGCTTTTCTCTTCTGTCAACCCACGCCTTTGGCACAATGAAGTGGGTAACCTTT  
 ATTTCCCTTCTTTTTCTCTTTAGCTCGGCTTATTCCAGGGGTGTGTTTCGTCGAGATGCA  
 CACAAGAGTGAGGTTGCTCATCGGTTTAAAGATTTGGGAGAAGAAAATTTCAAAGCCTTG  
 GTGTTGATTGCCTTTGCTCAGTATCTTCAGCAGTGTCCATTTGAAGATCATGTAAAATTA  
 GTGAATGAAGTAACTGAATTTGCAAAAACATGTGTTGCTGATGAGTCAGCTGAAAATTGT  
 GACAAATCACTTCATACCCCTTTTGGAGACAAATTATGCACAGTTGCAACTCTTCGTGAA  
 ACCTATGGTGAAATGGCTGACTGCTGTGCAAAAACAAGAACCCTGAGAGAAAATGAATGCTTC  
 TTGCAACACAAAAGATGACAACCCAAACCTCCCCGATTGGTGAGACCAGAGGTTGATGTG  
 ATGTGCACTGCTTTTCATGACAATGAAGAGACATTTTTGAAAAAATACTTATATGAAACC  
 ACTCTAGAGAAGTGTGTCGCGCTGCAGATCCTCATGAATGCTATGCCAAAGTGTTCGAT  
 GAATTTAAACCTCTTGGAAGAGCCTCAGAATTAATCAAACAAAATTGTGAGCTTTTT  
 GAGCAGCTTGGAGAGTACAAATCCAGAATGCGCTATTAGTTCGTTACACCAAGAAAGTA  
 CCCCAGTGTCAACTCCAACCTTTGTAGAGGTCTCAAGAAACCTAAGAAAAGTGGGCAGC  
 ANATGTTGTAACATCCTGAAGCAAAAAGTATGCCCTGTGCAGAAGATATCTATCCGTGGT  
 CCTGAACCATTATGTGTGGTGCATGAGAAAACGCCGTNAGTGACAGAGTCACCA

**Restriction Sites:** NotI-NotI

**ACCN:** BC035969

**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).

<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>	<u><a href="#">BC035969.1</a></u> , <u><a href="#">AAH35969.1</a></u>
<b>RefSeq Size:</b>	1449 bp
<b>Locus ID:</b>	213
<b>Cytogenetics:</b>	4q13.3
<b>Protein Families:</b>	Secreted Protein
<b>Gene Summary:</b>	This gene encodes the most abundant protein in human blood. This protein functions in the regulation of blood plasma colloid osmotic pressure and acts as a carrier protein for a wide range of endogenous molecules including hormones, fatty acids, and metabolites, as well as exogenous drugs. Additionally, this protein exhibits an esterase-like activity with broad substrate specificity. The encoded preproprotein is proteolytically processed to generate the mature protein. A peptide derived from this protein, EPI-X4, is an endogenous inhibitor of the CXCR4 chemokine receptor. [provided by RefSeq, Jul 2016]