

Product datasheet for **SC319183**

Inhibin beta A (INHBA) (NM_002192) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inhibin beta A (INHBA) (NM_002192) Human Untagged Clone
Tag:	Tag Free
Symbol:	Inhibin beta A
Synonyms:	EDF; FRP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_002192.2
 CATGAAGAGGAGCTCAGACAGCTTTACCATGATACAAGAGCCGGCTGGTGAAGAGT
 GGGGACCAGAAAGAGAATTTGCTGAAGAGGAGAAGGAAAAAAAAAACACCAAAAAAAAA
 AATAAAAAAAAAATCCACACACACAAAAAACCTGCGCGTGAGGGGGAGGAAAAGCAGGGCC
 TTTTAAAAAGGCAATCACAACAACCTTTGCTGCCAGGATGCCCTTGCTTTGGCTGAGAGG
 ATTTCTGTTGGCAAGTTGCTGGATTATAGTGAGGAGTTCCCCACCCAGGATCCGAGGG
 GCACAGCGCGGCCCGACTGTCCGTCTGTGCGCTGGCCGCCCTCCCAAGGATGTACC
 CAACTCTCAGCCAGAGATGGTGGAGGCCGTCAAGAAGCACATTTTAAACATGCTGCACTT
 GAAGAAGAGACCCGATGTCAACAGCCGGTACCCAAGGCGGCGCTTCTGAACGCGATCAG
 AAAGCTTCATGTGGGCAAAGTCGGGAGAACGGGTATGTGGAGATAGAGGATGACATTGG
 AAGGAGGGCAGAAATGAATGAACCTATGGAGCAGACCTCGGAGATCATCACGTTTGCCGA
 GTCAGGAACAGCCAGGAAGACGCTGCACCTCGAGATTTCCAAGGAAGGCAGTGACCTGTC
 AGTGGTGGAGCGTGCAGAAGTCTGGCTCTTCTAAAAGTCCCAAGGCCAACAGGACCAG
 GACCAAAGTCACCATCCGCTCTTCCAGCAGCAGAAGCACCCGCGAGGCAGCTTGGACAC
 AGGGGAAGAGGCCGAGGAAGTGGGCTTAAAGGGGGAGAGGAGTGAAGTGTGCTCTCTGA
 AAAAGTAGTAGACGCTCGGAAGAGCACCTGGCATGTCTTCCCTGTCTCCAGCAGCATCCA
 GCGGTTGCTGGACCAGGGCAAGAGCTCCCTGGACGTTCCGATTGCCTGTGAGCAGTGCCA
 GGAGAGTGGCGCCAGCTTGGTTCTCTGGGCAAGAAGAAGAAGAAGAGAGGGGGGA
 AGGGAAAAAGAAGGGCGGAGGTGAAGGTGGGGCAGGAGCAGATGAGGAAAAGGAGCAGTC
 GCACAGACCTTTCTCATGCTGCAGGCCCGGCAGTCTGAAGACCACCTCATCGCCGGCG
 TCGGCGGGGCTTGGAGTGTGATGGCAAGGTCAACATCTGCTGTAAAGAAACAGTTCTTTGT
 CAGTTTCAAGGACATCGGCTGGAATGACTGGATCATTGCTCCCTCTGGCTATCATGCCAA
 CTAAGTCCGAGGGTGAGTGCCCGAGCCATATAGCAGGCACGTCCGGGTCTCACTGTCTT
 CCACTCAACAGTCATCAACCACTACCGCATGCGGGGCCATAGCCCTTTGCCAACCTCAA
 ATCGTGTGTGTGCCACCAAGCTGAGACCCATGTCCATGTTGTAATGATGATGGTCA
 AAACATCATCAAAAAGGACATTCAGAACATGATCGTGGAGGAGTGTGGTGTCTATAGAG
 TTGCCAGCCAGGGGAAAGGGAGCAAGAGTTGTCCAGAGAAGACAGTGGCAAATGAA
 GAAATTTTAAAGTTTCTGAGTTAACCAGAAAAATAGAAATTA AAAACAAAAACAAAAAA
 AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_002192

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: 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.

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:	<u>NM_002192.2</u> , <u>NP_002183.1</u>
RefSeq Size:	2175 bp
RefSeq ORF:	1281 bp
Locus ID:	3624
UniProt ID:	<u>P08476</u>
Cytogenetics:	7p14.1
Domains:	TGFb_propeptide, TGF-beta
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction, TGF-beta signaling pathway
Gene Summary:	This gene encodes a member of the TGF-beta (transforming growth factor-beta) superfamily of proteins. The encoded preproprotein is proteolytically processed to generate a subunit of the dimeric activin and inhibin protein complexes. These complexes activate and inhibit, respectively, follicle stimulating hormone secretion from the pituitary gland. The encoded protein also plays a role in eye, tooth and testis development. Elevated expression of this gene may be associated with cancer cachexia in human patients. [provided by RefSeq, Aug 2016]