Datasheet for ABIN3389132

Human CSAG2 cDNA Clone in Mammalian Expression Vector

Overview

Quantity:	10 µg
Gene:	CSAG2
Species:	Human
Insert:	cDNA
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PExp)

Product Details

Purpose:	Untagged full-length cDNA clone from Human CSAG2 is ideal for over-expression of native protein for functional studies.
Brand:	TrueClones®
Insert Length:	333 bp
Vector Backbone:	pCMV6-XL5
Promoter:	Enhanced CMV Promoter, T7 Promoter
Bacterial Resistance:	Ampicillin
Expression Type:	Transient
Characteristics:	• These cDNA clones are isolated from full-length cDNA libraries and usually contain the coding sequence as well as the untranslated regions (UTRs) of the mRNA transcript appropriate to the library from which they were isolated. • These cDNA clones are ideal for over-expression of native proteins for functional studies. Provided as 10 µg transfection-ready plasmids. • Every lot of primer is tested to provide clean sequencing of cDNA clones.
Purification:	The DNAs were purified using PowerPrep HP Plasmid isolation kits for transfection ready plasmids.

Product Details

Sequencing Primer:	VP1.5 (forward) 5'GGACTTTCCAAAATGTCG 3', XL39 (reverse) 5'ATTAGGACAAGGCTGGTGGG 3'
Components:	• The cDNA clone is shipped in a 2-D bar-coded Matrix tube as dried plasmid DNA. • The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Target Details

Gene:	CSAG2
Alternative Name:	CSAG2 (CSAG2 Products)
Background:	Transcript Variant: This variant (2, also known as TRAG-3) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1. It should be noted that the encoded isoform lacks homology support and predicted domain structure. The protein is represented in this RefSeq based on the ability of an N-terminal recombinant peptide to elicit immune responses in PMID:16888034, however, no evidence exists for the existence of this protein in vivo.
NCBI Accession:	NM_004909, NP_004900

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Storage:	RT,-20 °C
Storage Comment:	The lyophilized plasmid is stable for up to one year when stored at ambient temperature. Following dissolution in 100 µL dH2O, store at -20 °C. Lyophilized primers are stable for up to one year when stored at ambient temperature. Following dissolution in 10 µL dH2O, store at -20 °C.
Expiry Date:	12 months

Publications

Product cited in:	Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)