

Datasheet for ABIN3393115

Human XAGE1B cDNA Clone in Mammalian Expression Vector

Overview

Quantity:	10 µg
Gene:	XAGE1B/GAGED2 (XAGE1B)
Species:	Human
Insert:	cDNA
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

Product Details

Purpose:	Untagged full-length cDNA clone from Human XAGE1B is ideal for over-expression of native protein for functional studies.
Brand:	TrueClones®
Insert Length:	500 bp
Vector Backbone:	pCMV6-XL5
Promoter:	Enhanced CMV Promoter, T7 Promoter
Bacterial Resistance:	Ampicillin
Expression Type:	Transient
Characteristics:	<ul style="list-style-type: none"> • 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.

Order at www.genomics-online.com

USA & Canada: +1 877 302 8632 | support@antibodies-online.com

Product Details

Sequencing Primer: VP1.5 (forward) 5'GGACTTTCCAAAATGTTCG 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: XAGE1B/GAGED2 (XAGE1B)

Alternative Name: XAGE1B ([XAGE1B Products](#))

Background: This gene is a member of the XAGE subfamily, which belongs to the GAGE family. The GAGE genes are expressed in a variety of tumors and in some fetal and reproductive tissues. This gene is strongly expressed in Ewing's sarcoma, alveolar rhabdomyosarcoma and normal testis. The protein encoded by this gene contains a nuclear localization signal and shares a sequence similarity with other GAGE/PAGE proteins. Because of the expression pattern and the sequence similarity, this protein also belongs to a family of CT (cancer-testis) antigens. Alternative splicing of this gene, in addition to alternative transcription start sites, results in multiple transcript variants. [provided by RefSeq, Jan 2010]. Transcript Variant: This variant (a, also known as XAGE-1a) encodes the longer isoform (a, also known as isoform XAGE-1b). This variant also includes a major downstream transcription start site, which results in the variant referred to as XAGE-1b in the literature. Both XAGE-1a and XAGE-1b encode the same isoform. This RefSeq contains an in-frame start site 65 codons upstream from the currently annotated site but is not being annotated as a start site since it is in a weak Kozak sequence context and experimental evidence indicates that the downstream AUG is used. (PMID: 12479262 and PMID: 17335148).

NCBI Accession: [NM_001097594](#), [NP_001091063](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: RT, -20 °C

Order at www.genomics-online.com

USA & Canada: +1 877 302 8632 | support@antibodies-online.com

Handling

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)