Datasheet for ABIN4921243

Human Xg ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	Glycoprotein Xg (Xg)
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PExp)

Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human XG with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	543 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGAGAGCT GGTGGGGACT TCCCTGTCTT GCGTTCCTGT GTTTTCTAAT GCACGCCCGA GGTCAAAGAG ACTTTGATTT GGCAGATGCC CTTGATGACC CTGAACCCAC CAAGAAGCCA AACTCAGATA TCTACCCAAA GCCAAAACCA CCTTACTACC CACAGCCCGA GAATCCCGAC AGCGGTGGAA ATATCTACCC AAGGCCAAAG CCACGCCCTC AACCCCAGCC TGGCAATTCC GGCAACAGTG GAGGTTACTT CAATGATGTG GACCGTGATG ACGGACGCTA CCCGCCCAGG

Product Details

	CCCAGGCCAC GGCCGCCTGC AGGAGGTGGC GGCGGTGGCT ACTCCAGTTA TGGCAACTCC GACAACACGC ACGGTGGAGA TCACCATTCA ACGTATGGCA ATCCAGAAGG CAATATGGTA GCAAAAATCG TGTCTCCCAT CGTATCCGTG GTGGTGGTGA CACTGCTGGG AGCAGCAGCC AGTTATTTCA AACTAAACAA TAGGAGAAAT TGTTTCAGGA CCCATGAACC AGAAAATGTC TGA
Specificity:	ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology
Characteristics:	Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.
Sequencing Primer:	• Forward primer: 5'-TAATACGACTCACTATAGGG-3' • Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'
Grade:	End-sequenced
Components:	The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

Target Details

Gene:	Glycoprotein Xg (Xg)
Alternative Name:	XG (Xg Products)
Background:	This gene encodes the XG blood group antigen, and is located at the pseudoautosomal boundary on the short (p) arm of chromosome X. The three 5' exons reside in the pseudoautosomal region and the remaining exons within the X-specific end. A truncated copy of this gene is found on the Y chromosome at the pseudoautosomal boundary. It is transcribed, but not expected to make a Y-chromosome specific gene product. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2008].
Gene ID:	7499
NCBI Accession:	NM_175569

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Storage:	RT/-20 °C
Storage Comment:	• Keep the vial sealed and store at -20°C for long-term storage. • Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C. • Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA. • If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA. • Close the lid and vortex the vial for 1 minute. • Aliquot the dissolved plasmid DNA and store in small aliquots 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)