Datasheet for ABIN5478618

Human CAPN2 ORF Clone in Lentiviral Vector (GFP tag)

Overview

Quantity:	10 µg
Gene:	CAPN2
Species:	Human
Fusion tag:	GFP tag
Insert:	ORF
Vector:	Lentiviral Vector
Application:	Protein Expression (PExp)

Product Details

Purpose:	Lentiviral Vector with ORF clone of Human calpain 2, (m/II) large subunit (CAPN2) transcript variant 1, C-term GFP tagged
Brand:	LentiORF
Insert Length:	2103 bp
Vector Backbone:	pLenti-C-mGFP
Promoter:	CMV Promoter
Bacterial Resistance:	Chloramphenicol
Expression Type:	Transient
Specificity:	Restriction Site: SgfI-RsrII
Characteristics:	mGFP tagged, C-terminal Broad cell spectrum: Lentivirus infect most cells, dividing & non-dividing, easy-to-transfect & hard-to-transfect cells. High transduction efficiency Convenience: Minimal need for optimization.

Product Details

	Safety: 3rd generation system with improved biosafety.
Components:	10 µg of lyophilized plasmid

Target Details

Gene:	CAPN2
Abstract:	CAPN2 Products
Background:	The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes the large subunit of the ubiquitous enzyme, calpain 2. Multiple heterogeneous transcriptional start sites in the 5' UTR have been reported. Two transcript variants encoding different isoforms have been found for this gene.
NCBI Accession:	NM_001748, NP_001739

Application Details

Application Notes:	Ideal For Tracking the over-expressed protein in tranfected cells
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Storage:	4 °C/-20 °C

Publications

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