OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC204325L1V

beta glucuronidase (GUSB) (NM_000181) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	beta glucuronidase (GUSB) (NM_000181) Human Tagged ORF Clone Lentiviral Particle
Symbol:	beta glucuronidase
Synonyms:	BG; MPS7
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_000181
ORF Size:	1953 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC204325).`
OTI Disclaimer:	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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_000181.2
RefSeq Size:	2321 bp
RefSeq ORF:	1956 bp
Locus ID:	2990
UniProt ID:	P08236
Cytogenetics:	7q11.21
Domains:	Glyco_hydro_2, Glyco_hydro_2_C, Glyco_hydro_2_N
Protein Families:	Druggable Genome, Transmembrane

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Protein Pathways:	Drug metabolism - other enzymes, Glycosaminoglycan degradation, Lysosome, Metabolic pathways, Pentose and glucuronate interconversions, Porphyrin and chlorophyll metabolism, Starch and sucrose metabolism
MW:	74.7 kDa
Gene Summary:	This gene encodes a hydrolase that degrades glycosaminoglycans, including heparan sulfate, dermatan sulfate, and chondroitin-4,6-sulfate. The enzyme forms a homotetramer that is localized to the lysosome. Mutations in this gene result in mucopolysaccharidosis type VII. Alternative splicing results in multiple transcript variants. There are many pseudogenes of this locus in the human genome.[provided by RefSeq, May 2014]