

Product datasheet for **RC208708L3V**

GALNS (NM_000512) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GALNS (NM_000512) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GALNS
Synonyms:	GaIN6S; GALNAC6S; GAS; MPS4A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_000512
ORF Size:	1566 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208708).
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_000512.3
RefSeq Size:	2380 bp
RefSeq ORF:	1569 bp
Locus ID:	2588
UniProt ID:	P34059
Cytogenetics:	16q24.3
Domains:	Sulfatase
Protein Families:	Druggable Genome



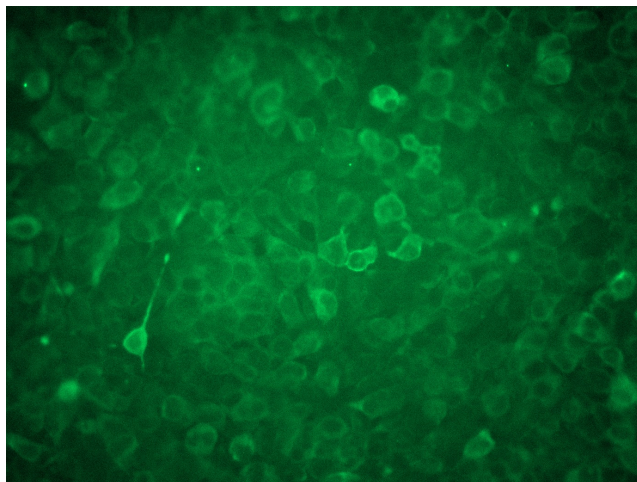
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Protein Pathways: Glycosaminoglycan degradation, Lysosome, Metabolic pathways

MW: 58 kDa

Gene Summary: This gene encodes N-acetylgalactosamine-6-sulfatase which is a lysosomal exohydrolase required for the degradation of the glycosaminoglycans, keratan sulfate, and chondroitin 6-sulfate. Sequence alterations including point, missense and nonsense mutations, as well as those that affect splicing, result in a deficiency of this enzyme. Deficiencies of this enzyme lead to Morquio A syndrome, a lysosomal storage disorder. [provided by RefSeq, Jul 2008]

Product images:



[RC208708L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC208708L3V particle to overexpress human GALNS-Myc-DDK fusion protein.