# Product datasheet for RC225431L3V

## SPG21 (NM_001127889) Human Tagged ORF Clone Lentiviral Particle

## Product data:

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|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | SPG21 (NM_001127889) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | SPG21 |
| **Synonyms:** | ABHD21; ACP33; BM-019; GL010; MAST |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_001127889 |
| **ORF Size:** | 924 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC225431). |
| **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_001127889.1 |
| **RefSeq Size:** | 1658 bp |
| **RefSeq ORF:** | 927 bp |
| **Locus ID:** | 51324 |
| **UniProt ID:** | Q9NZD8 |
| **Cytogenetics:** | 15q22.31 |
| **MW:** | 35 kDa |

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**Gene Summary:**          The protein encoded by this gene binds to the hydrophobic C-terminal amino acids of CD4 which are involved in repression of T cell activation. The interaction with CD4 is mediated by the noncatalytic alpha/beta hydrolase fold domain of this protein. It is thus proposed that this gene product modulates the stimulatory activity of CD4. Mutations in this gene are associated with autosomal recessive spastic paraplegia 21 (SPG21), also known as mast syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2014]