

Product datasheet for **RC228764L4V**

SUMF2 (NM_001146333) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type: | Lentiviral Particles |
| Product Name: | SUMF2 (NM_001146333) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | SUMF2 |
| Synonyms: | pFGE |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001146333 |
| ORF Size: | 906 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC228764). |
| 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_001146333.1 , NP_001139805.1 |
| RefSeq Size: | 1907 bp |
| RefSeq ORF: | 642 bp |
| Locus ID: | 25870 |
| UniProt ID: | Q8NBJ7 |
| Cytogenetics: | 7p11.2 |
| MW: | 33.9 kDa |


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Gene Summary:

The catalytic sites of sulfatases are only active if they contain a unique amino acid, C-alpha-formylglycine (FGly). The FGly residue is posttranslationally generated from a cysteine by enzymes with FGly-generating activity. The gene described in this record is a member of the sulfatase-modifying factor family and encodes a protein with a DUF323 domain that localizes to the lumen of the endoplasmic reticulum. This protein has low levels of FGly-generating activity but can heterodimerize with another family member - a protein with high levels of FGly-generating activity. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]