

Product datasheet for **RC222502L3V**

DAP12 (TYROBP) (NM_003332) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | DAP12 (TYROBP) (NM_003332) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | DAP12 |
| Synonyms: | DAP12; KARAP; PLOSL; PLOSL1 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_003332 |
| ORF Size: | 339 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC222502). |
| 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_003332.2 |
| RefSeq Size: | 608 bp |
| RefSeq ORF: | 342 bp |
| Locus ID: | 7305 |
| UniProt ID: | O43914 |
| Cytogenetics: | 19q13.12 |
| Protein Families: | Druggable Genome, Transmembrane |
| Protein Pathways: | Natural killer cell mediated cytotoxicity |

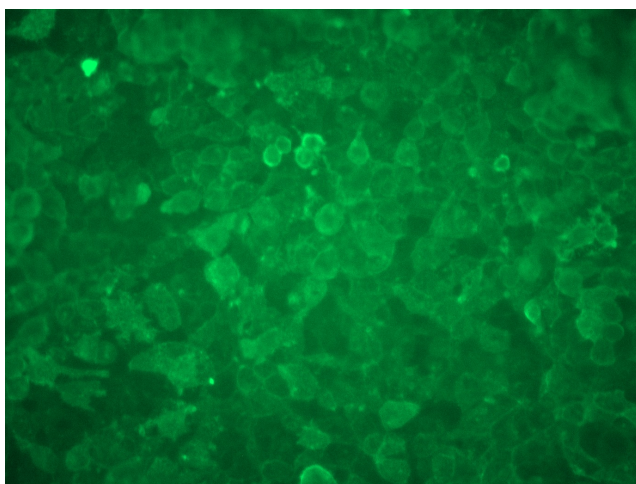


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MW: 12.2 kDa

Gene Summary: This gene encodes a transmembrane signaling polypeptide which contains an immunoreceptor tyrosine-based activation motif (ITAM) in its cytoplasmic domain. The encoded protein may associate with the killer-cell inhibitory receptor (KIR) family of membrane glycoproteins and may act as an activating signal transduction element. This protein may bind zeta-chain (TCR) associated protein kinase 70kDa (ZAP-70) and spleen tyrosine kinase (SYK) and play a role in signal transduction, bone modeling, brain myelination, and inflammation. Mutations within this gene have been associated with polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (PLOSL), also known as Nasu-Hakola disease. Its putative receptor, triggering receptor expressed on myeloid cells 2 (TREM2), also causes PLOSL. Multiple alternative transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Mar 2010]

Product images:



[RC222502L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC222502L3V particle to overexpress human TYROBP-Myc-DDK fusion protein.