

Product datasheet for **RC213005L4V**

HLAF (HLA-F) (NM_001098478) Human Tagged ORF Clone Lentiviral Particle

Product data:

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| Product Type: | Lentiviral Particles |
| Product Name: | HLAF (HLA-F) (NM_001098478) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | HLAF |
| Synonyms: | CDA12; HLA-5.4; HLA-CDA12; HLAF |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001098478 |
| ORF Size: | 762 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC213005). |
| 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_001098478.1 |
| RefSeq Size: | 1025 bp |
| RefSeq ORF: | 765 bp |
| Locus ID: | 3134 |
| UniProt ID: | P30511 |
| Cytogenetics: | 6p22.1 |
| Protein Families: | Transmembrane |



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| Protein Pathways: | Allograft rejection, Antigen processing and presentation, Autoimmune thyroid disease, Cell adhesion molecules (CAMs), Endocytosis, Graft-versus-host disease, Type I diabetes mellitus, Viral myocarditis |
| MW: | 28.59 kDa |
| Gene Summary: | This gene belongs to the HLA class I heavy chain paralogues. It encodes a non-classical heavy chain that forms a heterodimer with a beta-2 microglobulin light chain, with the heavy chain anchored in the membrane. Unlike most other HLA heavy chains, this molecule is localized in the endoplasmic reticulum and Golgi apparatus, with a small amount present at the cell surface in some cell types. It contains a divergent peptide-binding groove, and is thought to bind a restricted subset of peptides for immune presentation. This gene exhibits few polymorphisms. Multiple transcript variants encoding different isoforms have been found for this gene. These variants lack a coding exon found in transcripts from other HLA paralogues due to an altered splice acceptor site, resulting in a shorter cytoplasmic domain. [provided by RefSeq, Jul 2008] |