Product datasheet for **RC204749L3**

**CD16b (FCGR3B) (NM_000570) Human Tagged ORF Clone**

**Product data:**

- **Product Type:** Expression Plasmids
- **Product Name:** CD16b (FCGR3B) (NM_000570) Human Tagged ORF Clone
- **Tag:** Myc-DDK
- **Symbol:** FCGR3B
- **Synonyms:** CD16; CD16A; CD16b; FCG3; FCGR3; FCGR3A; FCR-10; FCRIII; FCRIIIb
- **Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)
- **E. coli Selection:** Chloramphenicol (34 ug/mL)
- **Cell Selection:** Puromycin
- **ORF Nucleotide Sequence:** The ORF insert of this clone is exactly the same as (RC204749).
- **Restriction Sites:** SgfI-MluI
- **Cloning Scheme:**

```
SgfI  ORF  MluI
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CTTCTCAGTGGCACGTATCTGAGAG.TATCTCAGTGGCACGTATCTGAGAG.GGCTCAGTGGCACGTATCTGAGAG
```

**ACCN:** NM_000570

**ORF Size:** 699 bp

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_000570.4, NP_000561.2, NP_000561.3
RefSeq Size: 2148 bp
RefSeq ORF: 702 bp
Locus ID: 2215
Cytogenetics: 1q23.3
Domains: ig
Protein Families: ES Cell Differentiation/IPS, Secreted Protein, Transmembrane
Protein Pathways: Natural killer cell mediated cytotoxicity, Systemic lupus erythematosus
MW: 26.2 kDa
Gene Summary: The protein encoded by this gene is a low affinity receptor for the Fc region of gamma immunoglobulins (IgG). The encoded protein acts as a monomer and can bind either monomeric or aggregated IgG. This gene may function to capture immune complexes in the peripheral circulation. Several transcript variants encoding different isoforms have been found for this gene. A highly-similar gene encoding a related protein is also found on chromosome 1. [provided by RefSeq, Aug 2012]