

Product datasheet for **RC215768L4V**

IL2 Receptor alpha (IL2RA) (NM_000417) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	IL2 Receptor alpha (IL2RA) (NM_000417) Human Tagged ORF Clone Lentiviral Particle
Symbol:	IL2 Receptor alpha
Synonyms:	CD25; IDDM10; IL2R; IMD41; p55; TCGFR
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000417
ORF Size:	816 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215768).
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_000417.1
RefSeq Size:	2308 bp
RefSeq ORF:	819 bp
Locus ID:	3559
UniProt ID:	P01589
Cytogenetics:	10p15.1
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane



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Protein Pathways:	Cytokine-cytokine receptor interaction, Endocytosis, Hematopoietic cell lineage, Jak-STAT signaling pathway
MW:	30.82 kDa
Gene Summary:	<p>The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. Homodimeric alpha chains (IL2RA) result in low-affinity receptor, while homodimeric beta (IL2RB) chains produce a medium-affinity receptor. Normally an integral-membrane protein, soluble IL2RA has been isolated and determined to result from extracellular proteolysis. Alternately-spliced IL2RA mRNAs have been isolated, but the significance of each is presently unknown. Mutations in this gene are associated with interleukin 2 receptor alpha deficiency. Patients with severe Coronavirus Disease 2019 (COVID-19), the disease caused by the novel severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), have significantly elevated levels of IL2R in their plasma. Similarly, serum IL-2R levels are found to be elevated in patients with different types of carcinomas. Certain IL2RA and IL2RB gene polymorphisms have been associated with lung cancer risk. [provided by RefSeq, Jul 2020]</p>