

RPES8321

Product Information

Product SKU:	RPES8321	Expression Host:	Mammalian	Size:	20µg
Tag:	C-Fc	Reactivity:	Human	Accession:	P01589

Additional Information

Calculated MW:	48.9 kDa	Observed MW:	60 kDa
Sequence:	Glu22-Gln240		

Protein Information

Background:	The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with an 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 an interleukin 2 receptor alpha deficiency.
Synonyms:	Interleukin 2 receptor alpha chain, CD25, CD25 antigen, IDDM10, IL 2 receptor alpha subunit, IL-2 receptor subunit alpha, IL-2-RA, IL-2R subunit alpha, IL2 RA, IL2-RA, IL2R, IL2R, alpha chain, IL2RA, IL2RA, IMD41, Interleukin 2 receptor alpha, Interleukin 2 receptor, Interleukin-2 receptor subunit alpha, p55, t-cell growth factor receptor, TAC, TAC antigen, TCGFR
Endotoxin:	< 1.0 EU/mg of the protein as determined by the LAL method
Formulation:	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Purity:	> 90% as determined by reducing SDS-PAGE.
Bio-Activity:	Not validated for activity

Storage:

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.