



# Recombinant Protein Technical Manual

## Recombinant Human ROR1 Protein (Fc Tag)

RPES2091

### Product Data:

**Product SKU:** RPES2091

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** Q01973

### Protein Information:

**Molecular Mass:** 68.9 kDa

**AP Molecular Mass:** 9010 kDa

**Tag:** C-Fc

**Bio-activity:**

**Purity:** > 95% as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Inactive tyrosine-protein kinase transmembrane receptor ROR1; Neurotrophic tyrosine kinase; receptor-related 1; ROR1; NTRKR1

## Immunogen Information:

**Sequence:** Gln30-Glu403

## Background:

CD217, also known as Interleukin7 receptor A, is a T cell expressed pleotropic cytokine with 866 amino acids in length. CD217 functions as receptors for IL17A and IL17F, it binds to IL17A with higher affinity than to IL17F and binds IL17A and IL17F homodimers as part of a heterodimeric complex with IL17RC. It also binds heterodimers formed by IL17A and IL17F as part of a heterodimeric complex with IL17RC. The activation of IL17RA would lead to induction of expression of inflammatory chemokines and cytokines such as CXCL1, CXCL8/IL8 and IL6. The signaling events of IL 17 includes activation of NF kappa B and JNK, and require TNF receptor associated factors 6 (TRAF6) in the signaling pathway.