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**Rat IL-22R / IL22RA1 Protein (ECD, Fc Tag)****Cat.NO.: TP06353**

3th Edition

**Synonyms:**IL-22R, IL22RA1

**Description:**IL-22R belongs to the type II cytokine receptor family. It contains 2 fibronectin type-III domains and is expressed in colon, liver, lung, pancreas and kidney. IL-22R also can be expressed in keratinocytes of normal skin as well as in psoriatic skin lesion. Overexpression of IL-22R can be detected in synovial fluid cells from rheumatoid arthritis and spondyloarthritis patients. IL-22R is a component of the receptor for IL20, IL22 and IL24. The component of IL-22R formed by IL22RA1 and IL10RB enables IL22 signaling via JAK/STAT pathways. IL22 also induces activation of MAPK1/MAPK3 and Akt kinases pathways. Component of one of the receptor for IL20 and IL24 formed by IL22RA1 and IL20RB also signaling through STATs activation. IL-22R mediates IL24 antiangiogenic activity as well as IL24 inhibitory effect on endothelial cell tube formation and differentiation.

**Form:**PBS**Molecular Weight:**50.8 kDa**Sequences:**Met1-Ala228**Purity:**> 95% by HPLC**Concentration:****Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.