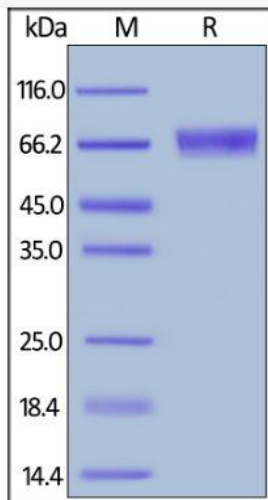
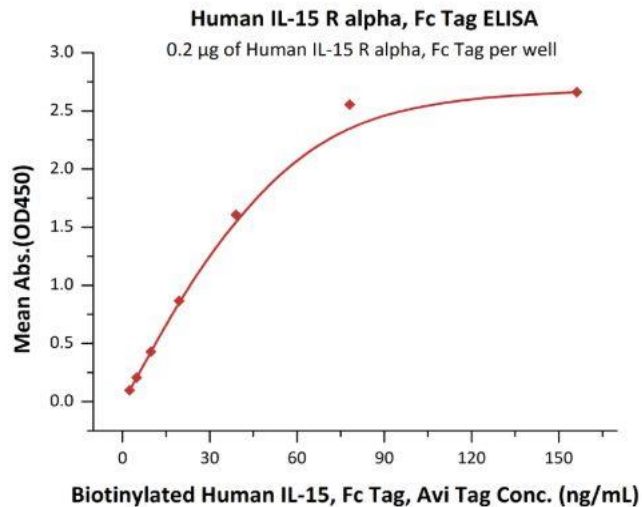


Human CellExp™ IL-15 R alpha / CD215, Fc Tag, Human recombinant

CATALOG NO:	P1424-10 10 µg P1424-50 50 µg
ALTERNATE NAMES:	IL15RA, IL-15RA, IL-15R-alpha, IL-15 receptor subunit alpha
MOL. WT.	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 44.8 kDa. The protein migrates as 60-80 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
SOURCE:	HEK 293 Cells
PURITY:	>95% SDS-PAGE
ENDOTOXIN:	Less than 1.0 EU per µg by the LAL method.
FORM:	Lyophilized powder
FORMULATION:	Lyophilized from 0.22 µM filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
RECONSTITUTION:	Reconstitute in sterile deionized water to the desired protein concentration.
SPECIFIC ACTIVITY:	Immobilized Human IL-15 R alpha, Fc Tag at 2 µg/ml (100 µl/well) can bind Biotinylated Human IL-15, Fc Tag, Avi Tag with a linear range of 2-78 ng/ml. Human IL-15 R alpha, Fc Tag inhibits IL-15-dependent proliferation of CTLL-2 cells. The ED50 for this effect is 2.77-4.20 ng/ml
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -70°C and use within 3 months. Avoid repeated freezing and thawing cycles. -20°C
DESCRIPTION:	IL15R is a heterotrimer of IL15RA, IL2RB and IL2RG. IL-15RA, also known as CD215, IL-15 R alpha, is a widely expressed 60 kDa transmembrane glycoprotein. High-affinity receptor for interleukin-15. Can signal both in cis and trans where IL15R from one subset of cells presents IL15 to neighboring IL2RG-expressing cells. Expression of different isoforms may alter or interfere with signal transduction. An interleukin (IL)-15 superagonist/IL-15 receptor α fusion complex (IL-15SA/IL-15RA; ALT-803) activates the IL-15 receptor on CD8 T cells and NK cells, and has shown significant anti-tumor. Signal transduction involves SYK. Higher levels of soluble sIL-15RA form in comparison with membrane-bound forms is present in all brain structures.
AMINO ACID SEQUENCE:	AA Ile 31 - Thr 205



Human IL-15 R alpha, Fc Tag on SDS-PAGE under reducing (R) condition.



Immobilized Human IL-15 R alpha, Fc Tag at 2 µg/ml (100 µl/well) can bind Biotinylated Human IL-15, Fc Tag, Avi Tag with a linear range of 2-78 ng/ml.

RELATED PRODUCTS:

- IL-15, murine recombinant (Cat# 4171)
- IL-15, human recombinant (Cat# 4170)
- IL-15 Antibody (Cat# 5171)
- IL-15, rat recombinant (Cat# 4172)
- Human CellExp™ FLT-3 Ligand, Mouse Recombinant (Cat# P1382)
- Human CellExp™ FLT-3 Ligand, Mouse Recombinant (Cat# P1382)

FOR RESEARCH USE ONLY! Not to be used on humans.