

# Human CellExp™ IL13RA1/CD213A1, human recombinant

**CATALOG #:** 7433-10 10 µg  
7433-50 50 µg

**ALTERNATE NAMES:** IL13RA1, CD213A1, IL-13Ra, NR4, RP13-128O4.2, IL13Rα1

**SOURCE:** HEK 293 cells (Gly 22 – Thr 343)

**PURITY:** ≥ 98% by SDS-PAGE gel

**MOL. WEIGHT:** This protein is fused with a 6xhis tag at the C-terminus and the protein has a calculated MW of 38 kDa. DTT-reduced protein migrates as 55-65 kDa in SDS-PAGE due to glycosylation.

**ENDOTOXIN LEVEL:** <1 EU/µg by LAL method

**FORM:** Lyophilized

**FORMULATION:** Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

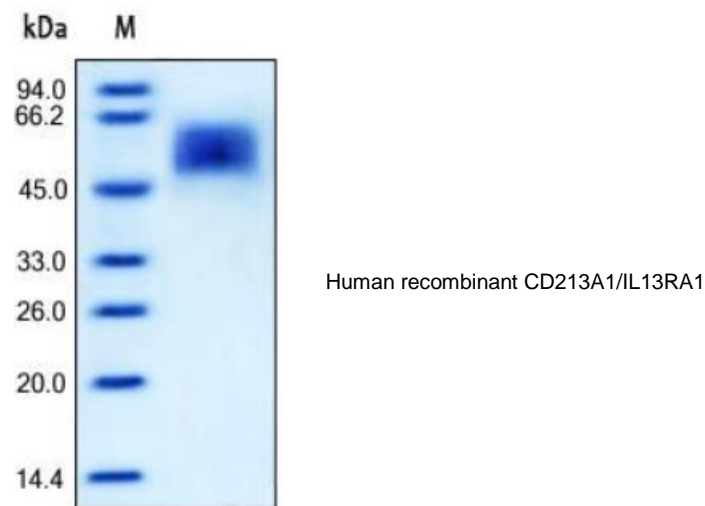
**STORAGE CONDITIONS:** Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

**RECONSTITUTION:** Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

**DESCRIPTION:** Interleukin 13 receptor, alpha 1, also known as IL13RA1, NR4 and CD213A1 (cluster of differentiation 213A1), The IL13 Rα1 cDNA encodes a 427 amino acid (aa) residue precursor protein with a putative 21 aa residue signal peptide, a 324 aa residue extracellular domain, a 23 aa residue transmembrane region and a 59 aa residue cytoplasmic tail. Human and mouse IL13Rα1 share 76% aa sequence identity. IL13RA1 is a subunit of the interleukin 13 receptor. This subunit forms a receptor complex with IL4 receptor alpha, a subunit shared by IL13 and IL4 receptors. This subunit serves as a primary IL13-binding subunit of the IL13 receptor, and may also be a component of IL4

mediate the signaling processes that lead to the activation of JAK1, STAT3 and STAT6 induced by IL13 and IL4.

**BIOLOGICAL ACTIVITY:** Measured by its binding ability in a functional ELISA. Immobilized rhIL13Ra1 at 2 µg/mL (100 µL/well) can bind rhIL13 with a linear range of 0.1-10 ng/mL.



**RELATED PRODUCTS:**

- Human CellExp™ CD223, human recombinant (Cat. No. 7278-10, -50)
- Human CellExp™ CD71, human recombinant (Cat. No. 7279-10, -50)
- Human CellExp™ CD273, human recombinant (Cat. No. 7369-10, -50)
- Human CellExp™ CD33, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp™ CD36, human recombinant (Cat. No. 7371-10, -50)
- Human CellExp™ CD87, human recombinant (Cat. No. 7372-20, -100)
- Human CellExp™ CD360, human recombinant (Cat. No. 7373-20, -100)
- Human CellExp™ CD244, human recombinant (Cat. No. 7374-10, -50)
- Human CellExp™ CD304, human recombinant (Cat. No. 7375-10)
- Human CellExp™ CD319, human recombinant (Cat. No. 7376-10, -50)
- Human CellExp™ CD306, human recombinant (Cat. No. 7377-10, -50)
- Human CellExp™ CD84, human recombinant (Cat. No. 7378-10, -50)

**FOR RESEARCH USE ONLY! Not to be used in humans.**

