

# PRODUCT DATA SHEET

**COMPLEX**

Complex Biotech Co., Ltd

## IL-13R/CD213a1 Recombinant Protein

Catalog: BCP3370

Host: E.coli

Tag: His-tag

### BackGround:

The Th2 cytokine Interleukin-13 (IL-13) plays a critical role in allergen-induced airway hyper-responsiveness (AHR). Two different receptors exist for IL-13, designated IL-13Ra1 and 2. IL-13Ra1 exists as a heterodimer of IL-13Ra1 and IL-4Ra as a signaling subunit, whereas IL-13Ra2 acts as a decoy receptor for IL-13. Furthermore, TNF $\alpha$  or IL-4 stimulation induces IL-13Ra2 upregulation, while IL-13Ra1 is constitutively expressed. Cell surface localization of IL-13Ra2 abrogates IL-13 signaling, thus IL-13 induced translocation of the receptor from the cytoplasm provides a mechanism for negative-feedback of IL-13 signaling. IL-13Ra1 expression is predominant in B cells, monocytes and

T cells, whereas IL-13Ra2 expression is highest in glioma cells.

### Product:

PBS, 4M Urea, PH7.4

### Molecular Weight:

~32kDa

### Swiss-Prot:

P78552

### Purification&Purity:

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

### Restriction Sites:

NdeI-XhoI

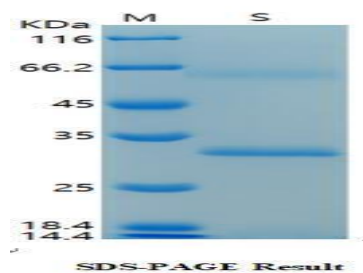
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Expression Vector:

pet-22b(+)

### DATA:



### Note:

For research use only, not for use in diagnostic procedure.