



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

# Recombinant Human Interleukin-6 Receptor alpha (IL-6 R) alpha

**Catalog No.**  
228-10943

**Source**  
*Escherichia Coli*

#### ***Synonyms***

IL6R-alpha, CD126, IL-6R 1, CD126 antigen, IL6RA, Interleukin 6 receptor, Interleukin 6 receptor alpha subunit, Interleukin-6 receptor alpha chain precursor, B cell stimulatory factor-2, Membrane glycoprotein 80, gp80, IL-6R, MGC104991.

#### ***Introduction***

The IL-6 receptor complex is composed of two membrane glycoproteins: the low affinity receptor and the signal transducing component. The soluble form of IL6R is found in the urine of healthy adult humans and the serum of HIV positive individuals, as well as in the cell culture supernatants of stimulated PBMC's. This soluble form of IL6R results from either proteolytic cleavage from the membrane, or an isoform derived splice variant.

#### ***Description***

sIL-6R Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 338 amino acids (20-357) corresponding to the mature IL-6R protein, having a molecular weight of 42.25 kDa, with an amino terminal hexahistidine tag.  
The sIL6R is purified by proprietary chromatographic techniques.

#### ***Physical Appearance***

Sterile Filtered clear solution.

#### ***Formulation***

CD126 His-Tag protein is supplied in 20mM Tris-HCl, pH 8.0, 0.8M Urea & 50% glycerol.

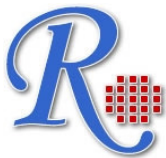
#### ***Stability***

Store at 4°C if entire vial will be used within 2-4 weeks.

Store frozen at -20°C for longer periods of time.

**Please avoid freeze thaw cycles.**

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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### *Purity*

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

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