IL-6Rα/CD126, Human, Recombinant

Cat. No. : PCK202

General Information

Synonyms	Interleukin-6 Receptor subunit alpha;IL-6R subunit alpha;IL-6R-alpha;IL-6R 1;Membrane glyco Protein 80;gp80;CD126
Species	Human
Expression host	Human Cells
Sequence	Leu20-Asp358
Accession	P08887
Tag	C-6His
Mol mass	38.9 kDa
Expiration date	12 months

Product feature

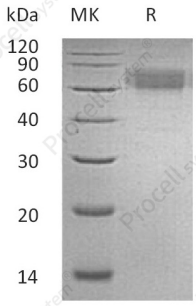
Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Background

Interleukin 6 is a potent pleiotropic Cytokine that regulates cell growth and differentiation and plays an important role in the immune response. IL6Ra is a part of the Receptor for Interleukin 6 Cytokine. IL6Ra binds to IL6 with low affinity, but does not transduce a signal. Signal activation necessitates an association with IL6ST. Activation may lead to the regulation of the immune response, acute-phase reactions and hematopoiesis. Low concentration of a soluble form of IL6 Receptor acts as an agonist of IL6 activity. Dysregulated production of IL6 and this Receptor are implicated in the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer.

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