

CD131 Protein, Human, Recombinant (hFc)

General Information

Protein Construction:	Thr17-Trp443
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P32927-1
Molecular Weight:	74.63 kDa (Predicted); 75-90 kDa (Reducing condition, due to glycosylation)

QC Testing

Biological Activity:	Human IL-3 R Beta, hFc Tag captured on CM5 Chip via Protein A can bind Human GM-CSF, No Tag with an affinity constant of 6.78 μM as determined in SPR assay (Biacore T200) (QC Test).
Purity:	> 95% as determined by Bis-Tris PAGE; > 90% as determined by HPLC
Endotoxin:	< 1 EU/ μg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).

Preparation and Storage

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C . For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Interleukin-3 receptor (IL-3R) is a heterodimer that comprises an IL-3 specific alpha chain (IL-3R alpha) and a common beta chain (beta C) that is shared with the receptors for granulocyte-macrophage colony-stimulating factor (GM-CSF) and IL-5. The beta c subunit does not bind any cytokine by itself but is involved in the formation of high-affinity functional receptors for IL-5 and GM-CSF. These receptors belong to the cytokine receptor superfamily, but they are structurally and functionally more related to each other and thus make up a distinct subfamily.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481