

Product Datasheet

Recombinant IL-5, Human (orb1494817)

Description	Interleukin-5 (IL-5), produced by mast cells, T cells and eosinophils, is responsible for the activities attributed to eosinophil differentiating factor, B cell growth factor II and T cell-replacing factor (TRF). It can increase production and mobilization of eosinophils and CD34+ progenitors from the bone marrow. IL-5 plays an important role in inducing cell-mediated immunity against parasitic infections and certain tumors. IL-5 also promotes differentiation of basophils and primes them for histamine and leukotriene release. Recombinant Human Interleukin-5 (rhIL-5) produced in E.coli is a disulfide-linked homodimer containing two non-glycosylated polypeptide chains of 116 amino acids each. A fully biologically active molecule, rhIL-5 has a molecular mass of 26.5 kDa analyzed by non-reducing SDS-PAGE and is obtained by proprietary chromatographic techniques at GenScript.
Endotoxins	< 0.2 EU/μg, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against 25mM Tris, pH 8.0.
Form/Appearance	Lyophilized after extensive dialysis against 25mM Tris, pH 8.0.
Storage	Lyophilized recombinant Human Interleukin-5 (rhIL-5) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rhIL-5 should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.
Note	For research use only
Application notes	Reconstituted in ddH ₂ O at 100 μg/ml.
Protein Sequence	MIPTEIPTS ALVKETLALL STHRTLIIAN ETLRIPVPVH KNHQLCTEEI FQGIGTLESQ TVQGGTVERL FKNLSLIKKY IDGQKKKCGE ERRRVNQFLD YLQEFLGVMN TEWIIES
Purity	> 95% by SDS-PAGE.
Source	Escherichia coli.
MW	26.5 kDa, observed by non-reducing SDS-PAGE.
Expiration Date	6 months from date of receipt.

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+441223859353) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+14159065211) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)