

Product Datasheet

Recombinant IP-10/CXCL10, Human (orb1494811)

Description	IP-10/CXCL10 also known as CXCL10, is originally identified as an IFN- γ -inducible gene in monocytes, fibroblasts and endothelial cells. It has since been shown that IP-10 mRNA is also induced by LPS, IL-1 β , TNF- α , IL-12 and viruses. Additional cell types that have been shown to express IP-10 include activated T-lymphocytes, splenocytes, keratinocytes, osteoblasts, astrocytes, and smooth muscle cells. IP-10 is also expressed in psoriatic and lepromatous lesions of skin. The mouse homologue of human IP-10, Crg-2, has been cloned and shown to share approximately 67% amino acid sequence identity with human IP-10. Recombinant human IP-10/CXCL10 (rhIP-10) produced in E. coli is a single non-glycosylated polypeptide chain containing 78 amino acids. A fully biologically active molecule, rhIP-10 has a molecular mass of 8.6kDa analyzed by reducing SDS-PAGE and is obtained by proprietary chromatographic techniques at GenScript.
Endotoxins	< 0.2 EU/ μ g, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against 50mM Tris, pH 8.0.
Form/Appearance	Lyophilized after extensive dialysis against 50mM Tris, pH 8.0.
Storage	Lyophilized recombinant human IP-10/CXCL10 (rhIP-10) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rhIP-10 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 μ g/ml.
Protein Sequence	MVPLSRTVR CTCISISNQP VNPRSLEKLE IIPASQFCPR VEIIATMKKK GEKRCLNPES KAIKNLLKAV SKEMSKRSP
Purity	> 95% by SDS-PAGE and HPLC analyses.
Source	Escherichia coli.
MW	8.6 kDa, observed by reducing SDS-PAGE.

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)

Expiration Date 6 months from date of receipt.

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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:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

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Durham, NC, 27713, United States
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Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)