

Product Datasheet

RecombinantMIP-3 α /CCL20,Human(CHO-expressed) (orb1494679)

Catalog Number	orb1494679
Category	Proteins
Description	<p>Chemokine (C-C motif) ligand 20 (CCL20) also known as liver activation regulated chemokine (LARC) or Macrophage Inflammatory Protein-3 (MIP3 alpha) is a small cytokine belonging to the CC chemokine family. It is strongly chemotactic for lymphocytes and weakly attracts neutrophils. Additionally, it promotes the adhesion of memory CD4+ T cells and inhibits colony formation of bone marrow myeloid immature progenitors.Recombinant humanMIP-3 alpha/CCL20 produced in CHO cells is a polypeptide chain containing 70 amino acids. A fully biologically active molecule, rhMIP-3 alpha/CCL20 has a molecular mass of 8kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.</p>
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Buffer/Preservatives	Lyophilized after extensive dialysis against PBS.
Purity	> 98% as analyzed by SDS-PAGE.
Purification	> 98% as analyzed by SDS-PAGE.
Protein Sequence	ASNFDCCCLGYTDRILHPKFIVGFTRQLANEGCDINAIIFHTKKKLSVCANPKQTWVKYIV RLLSKKVKNM
MW	8 kDa, observed by reducing SDS-PAGE.
Application notes	Reconstituted in ddH2O or PBS at 100 μ g/ml.
Endotoxins	0.2 EU/ μ g, determined by LAL method.
Source	CHO

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biological Activity

The EC50 value of humanMIP-3 alpha/CCL20 on Ca²⁺ mobilization assay in CHO-K1/Ga15/hCCR6 cells (human Ga15 and human CCR6 stably expressed in CHO-K1 cells) is less than 200 ng/ml.

Storage

Lyophilized recombinant Human MIP-3 alpha/CCL20 remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Human MIP-3 alpha/CCL20 should be stable up to 1 week at 4°C or up to 2 months at -20°C.

Note

For research use only

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)