

Bitte beachten Sie: Dieses Dokument wurde automatisch erstellt und ist kein Ersatz für das Originaldokument des Herstellers.

## Product Datasheet

### Human MIP1 alpha protein, His tag (active), Unconjugated GTX00096-PRO

Artikelname	Human MIP1 alpha protein, His tag (active), Unconjugated
Artikelnummer	GTX00096-PRO
Hersteller Artikelnummer	GTX00096-pro
Alternativnummer	GTX00096-PRO-10
Hersteller	GeneTex
Kategorie	Proteine/Peptide
Applikation	FA
Spezies Reaktivität	Human
Konjugation	Unconjugated
NCBI	<a href="#">6348</a>
UniProt	<a href="#">P10147</a>
Puffer	Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.
Expression System	HEK293 cells
Formulierung	Lyophilized powder
Sequenz	N-terminal His-Tag, Ser24~Ala92 (NP_002974.1)

Anwendungsbeschreibung

MIP-1a (macrophage inflammatory protein 1-alpha) also known as Chemokine (C-C motief) ligand 3 (CCL3), is a cytokine belonging to the CC chemokine family that is involved in the recruitment and activation of macrophages, monocytes and neutrophils. In this case, chemotaxis assay used 24-well microchemotaxis system was undertaken to evaluate the chemotactic effect of MIP-1a on the human monocytic cell line THP-1. Briefly, THP-1 cells were seeded into the upper chambers (100  $\mu$ l cell suspension, 1x10<sup>6</sup> cells/ml in RPMI-1640 with 0. 5% FBS) and MIP-1a (100 ng/ml, diluted in serum free RPMI-1640 ) was added in lower chamber with a polycarbonate filter (8 $\mu$ m pore size) used to separate the two compartments. After incubation at 37C with 5% CO<sub>2</sub> for 5h, the filter was removed, then cells in low chamber were observed by inverted microscope at low magnification (\*40) and the number of migrated cells were counted at high magnification (\*400) randomly (five fields for each filter). By counting migrated cells in low chamber at high magnification (\*400) randomly. A mean of 41. 2 THP-1 cells/field migrated towards serum free RPMI-1640 medium with 100 ng/ml MIP-1a, while only 3. 6 THP-1 cells/field migrated towards serum free RPMI-1640 medium.