

Overview

Synonyms	Macrophage Inflammatory Protein-1 \pm , CCL3, LD78 \pm
Description	MIP-1 Alpha , also known as CCL3, G0S19-1 and SCYA3, is a small inducible monokine belonging to the intercrine beta (chemokine CC) family. It binds to CCR1, CCR4 and CCR5, and participates in the host response to invading pathogens by regulating the trafficking and activation of inflammatory cells, such as macrophages, lymphocytes, NK cells and dendritic cells. MIP-1 alpha polymorphisms are associated with HIV susceptibility or resistance. Recombinant MIP-1 alpha induces a dose-dependent inhibition of HIV and SIV infection.
Accession No	P10147
Species	Human
Source	CHO
Biological Activity	ED ₅₀ < 100 ng/ml, measured in a calcium flux assay using CHO/G \pm 15 cells expressing CCR5.
Sequence	ADTPTACCF S YTSRQIPQNF IADYFETSSQ CSKPGVIFLT KRSRQVCADP SEEWVQKYVS DLELSA

Properties

Measured Molecular Weight	8-10 kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μ g/ml.
Endotoxin Level	< 0.2 EU/ μ g, determined by LAL method.
Storage	Lyophilized recombinant Human MIP-1 Alpha remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human MIP-1 Alpha should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only

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