

MIP-2 Viral Recombinant

Item Number	rAP-0164
Synonyms	MIP-2 Viral, Viral MIP-2, MIP2 Viral, Viral MIP2, Viral Macrophage inflammatory Protein-2.
Description	MIP-2 Viral Recombinant produced in E.Coli is a single,non-glycosylated, polypeptide chain containing 70 amino acids and having a molecular mass of 7.9 kDa. The MIP-2 is purified by proprietary chromatographic techniques.
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Amino Acid Sequence	LGASWHRPDK CCLGYQKRPL PQVLLSSWYP TSQLCSKPGV IFLTKRGRQVCADKSKDWVK KLMQQLPVTA.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized MIP-2 Viral protein although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Formulation and Purity	Lyophilized from 1mg/ml solution containing 20mM Phosphate Buffer, pH 7.4 % 0.15M NaCl. Greater than 97.0% as determined by RP-HPLC & SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized CXCL2 Viral in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Determined by the inhibitory effect on monocyte migration response to human MIP1A using a concentration range of 1µg-10µg/ml of viral MIP2 which will inhibit 25ng/ml of human MIP1A.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**