

RPCB1275

Product Information

Product SKU:	RPCB1275	Gene ID:	6349	Size:	10µg
Tag:	C-His	Reactivity:	Human		

Additional Information

Expression Host:	E. coli	Swissprot:	P16619
Purity:	> 95% by SDS-PAGE.		

Protein Information

Background: The two human MIP-1 alpha genes arise by duplication/mutation. They code for MIP-1 alpha isoforms CCL3/LD78 alpha and CCL3L1/LD78 beta, which share 94% amino acid (aa) sequence homology. Whereas the human CCL3/LD78 alpha is a single-copy gene, the human CCL3L1/LD78 beta gene copy number varies within the population. Human CCL3L1/LD78 beta cDNA encodes a 93 aa residue precursor with a 23 aa residue signal peptide that is cleaved to generate a 70 aa mature protein. Human CCL3L1/LD78 beta binds and signals through chemokine receptors CCR1 and CCR5. When compared to CCL3/LD78 alpha, CCL3L1/LD78 beta has higher binding affinity to CCR5, which also functions as a coreceptor for HIV-1 entry. The copy number of CCL3L1 is one of several genetic determinants of HIV-1 susceptibility (4).

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human CCL3L1 Protein, tested reactivity in E. coli and has been validated in SDS-PAGE. 100% guaranteed.

Endotoxin: < 1EU/µg

Formulation: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Storage: Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Contact Details | Dublin, Ireland

Email: techsupport@assaygenie.com | **Web:** www.assaygenie.com

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