

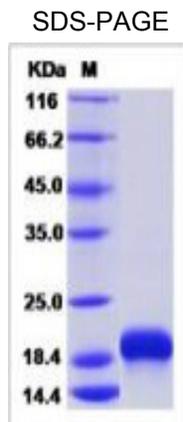
CCL28

Recombinant Human CCL28 (His Tag)

Catalog No.	CRH523A-His CRH523B-His CRH523C-His	Quantity:	20 µg 50 µg 1.0 mg
Alternate Names:	C-C motif chemokine 28, Mucosae-associated epithelial chemokine, MEC, Protein CCK1, Small-inducible cytokine A28		
Description:	<p>CCL28 chemokine is expressed by epithelial cells of various mucosal tissues. This chemokine binds to CCR3 and CCR1 receptors and plays an essential role in the IgA antibody secreting cells (IgA-ASC) homing to mucosal surfaces and to lactating mammary gland as well. In addition, CCL28 has been shown to exert a potent antimicrobial activity against both Gram-negative and Gram-positive bacteria and fungi. The potent antimicrobial function of CCL28 combined with its wide distribution in mucosal tissues and secretions suggest that this protein plays an important role in innate immune protection of the epithelial surfaces. CCL28 is a human chemokine constitutively expressed by epithelial cells in diverse mucosal tissues and is known to attract a variety of immune cell types including T-cell subsets and eosinophils. Elevated levels of CCL28 have been found in the airways of individuals with asthma, and previous studies have indicated that CCL28 plays a vital role in the acute development of post-viral asthma. CCL28 presents a novel target for the development of alternative asthma therapeutics. The dental decay of children leads to the secretion of chemokine CCL28, which promotes the secretion of sIgA in saliva. CC chemokine ligand28 (CCL28) has been reported as a severity marker in atopic dermatitis.</p>		
UniProt ID:	Q9NRJ3		
Accession Number:	NP_683513.1		
Protein Construction:	A DNA sequence encoding the human CCL28 (Ile23-Tyr127) was expressed with a polyhistidine tag at the N-terminus.		
Source:	HEK293 Cells		
Formulation:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
Molecular Weight:	The recombinant human CCL28 consists of 121 amino acids and predicts a molecular mass of 14.2 KDa. It migrates as an approximately 19 KDa band in SDS-PAGE under reducing conditions.		
Purity:	> 95 % as determined by SDS-PAGE.		
Biological Activity:	Testing in progress		
Predicted N-terminal:	His		



- Reconstitution:** **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. **DO NOT VORTEX.** Allow several minutes for complete reconstitution.
- Storage & Stability:** Stable for up to 1 year from date of receipt at -20°C to -80°C. After reconstitution, store working aliquots at -20°C to -80°C. **Avoid repeated freeze-thaw cycles.**



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

