

RPCB0400

Product Information

Product SKU:	RPCB0400	Gene ID:	6398	Size:	20µg
Tag:	C-hFc&His	Reactivity:	Human		

Additional Information

Expression Host:	-	Swissprot:	Q8WVN6
Purity:	> 97% by SDS-PAGE.		

Protein Information

Background: This protein, also known as K12, is a transmembrane and secreted protein with characteristics of a type 1a transmembrane protein of SECTM family. It is found in a perinuclear Golgi-like pattern and thought to be involved in hematopoietic and/or immune system processes. The human K12 protein has been shown to be primarily expressed in spleen, prostate, testis, small intestine, and in peripheral blood leukocytes. The K12 protein is expressed on the cell surface in such small amounts as to preclude detection. Alternatively, it may be that K12 on the cell surface is rapidly cleaved to generate a soluble K12 protein. Immunohistochemical analysis of peripheral blood cells shows that K12 is found in leukocytes of the myeloid lineage, with the strongest staining observed in granulocytes and no detectable expression in lymphocytes. May be involved in thymocyte signaling. It had been suggested a role for thymic microenvironment-produced K12 in regulation of thymocyte signaling and cytokine release, particularly in the setting of thymus pathology where IFN-gamma is upregulated such as myasthenia gravis. In addition, as a putative natural CD7 ligand, SECTM1/K12 may be responsible for the costimulatory role it plays in T cell activation.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human SECTM1 Protein , tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.

Endotoxin: < 0.1 EU/µg of the protein by LAL method.

- Formulation:** Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.
- 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.