

Protein

RPCB0008

Product Information

Product SKU:	RPCB0008	Gene ID:	150771	Size:	20µg
Tag:	C-hFc&His	Reactivity:	Human		

Additional Information

Expression Host:	-	Swissprot:	Q6GPH6
Purity:	> 90% by SDS-PAGE.		

Protein Information

Background: ITPRIPL1/KIAA1754L/CD3L1 is a transmembrane protein with broad expression in the testis associated with immune evasion. In fact, ITPRIPL1 is a molecule specifically expressed in immune privileged tissues, "hot" tumors without PD-L1 expression, and non-responding tumors to PD-1 blockade therapy. ITPRIPL1 has been shown to impair T cell function in vitro and in vivo through CD3e with experimental evidence supporting a negative correlation between ITPRIPL1 expression level in antigen-presenting cells and T cell cytotoxicity. ITPRIPL1 was a hypermethylated-low expression gene in breast cancer and acted as an independent biomarker for the prognosis of lung adenocarcinoma by using bioinformatics methods. Thus, targeting the ITPRIPL1-CD3e axis, especially in PD-1 - PD-L1 negative patients, is a promising therapeutic strategy to reduce immune evasion.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human ITPRIPL1/KIAA1754L/CD3L1 Protein, tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.

Endotoxin: < 0.01 EU/µg of the protein by LAL method.

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.

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