

Recombinant Human CD40 Ligand/TNFSF5 Trimer Protein

RPCB0686

Protein Information

Size:	100 µg	Tag:	N-His&Flag
Reactivity:	Human	Expressed Host:	HEK293 cells
Calculated MW:	52.4 kDa	Observed MW:	55 kDa

Background

CD40 ligand or CD40L, also called CD154, is a protein that is primarily expressed on activated T cells and is a member of the TNF superfamily of molecules. It binds to CD40 (protein) on antigen-presenting cells (APC), which leads to many effects depending on the target cell type. In total CD40L has three binding partners: CD40, $\alpha 5\beta 1$ integrin and $\alpha 11\beta 3$. CD154 acts as a costimulatory molecule and is particularly important on a subset of T cells called T follicular helper cells.

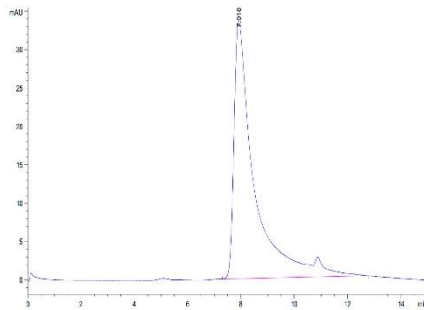
Properties

Synonyms:	CD40L, CD40LG, CD154, TNFSF5, TNFSF5IMD3, CD40LIGM, gp39, HIGM1, T-BAM, TRAP, IGM, IMD3, CD40 Ligand
Gene ID:	959
Endotoxin:	< 1 EU/µg of the protein by LAL method.
Description:	High quality, high purity and low endotoxin recombinant Recombinant Human CD40 Ligand/TNFSF5 Trimer Protein (RPCB0686), tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.
Purity:	≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.
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.

Validation Data



Recombinant Human CD40 Ligand/TNFSF5 Trimer Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human CD40 Ligand Trimer is greater than 95% as determined by SEC-HPLC.