

Recombinant Human TIGIT Protein

Catalog No	RP00080	Category	Protein
Description	Recombinant Human TIGIT Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Met22-Pro141) of human TIGIT (Accession #NP_776160.2) fused with a 6xHis tag at the C-terminus.		

Sequence Information

Species	Human	Gene ID	201633
Tags	6xHis tag at the C-terminus	Swiss Prot	Q495A1
Synonyms	VSIG9;VSTM3;WUCAM		
AA Sequence	MMTGTIETTGNISAKEKGSIIQLCHLSSTTAQVTQVNWEQQDQLLAICNADLGWHISPSFKDRVAPGPGLGLTLQSLTVNDTGEYFCIYHTYPDGTYTGRIFLEVLESSVAEHGARFQIP		

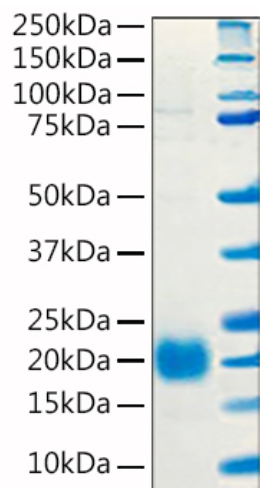
Product information

Source	HEK293 cells
Purity	> 97% by SDS-PAGE.
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.
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
Storage	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Background

This protein is a member of the PVR (poliovirus receptor) family of immunoglobulin proteins. The protein is expressed on several classes of T cells including follicular B helper T cells (TFH). The protein has been shown to bind PVR with high affinity; this binding is thought to assist interactions between TFH and dendritic cells to regulate T cell dependent B cell responses.

SDS-PAGE



Bioactivity

Recombinant Human TIGIT was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 18-22 kDa.