

## Product datasheet

# Recombinant Human SLAM / CD150 protein ab151342

### Description

<b>Product name</b>	Recombinant Human SLAM / CD150 protein	
<b>Purity</b>	> 95 % SDS-PAGE. Purity is greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.	
<b>Endotoxin level</b>	< 1.000 Eu/μg	
<b>Expression system</b>	HEK 293 cells	
<b>Accession</b>	<a href="#">Q13291</a>	
<b>Protein length</b>	Protein fragment	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	ASYGTGGRMMNCPKILRQLGSKVLLPLTYERINKSMNKSIHI VVTMAKSL ENSVENKIVSLDPSEAGPPRYLGDRYKFYLENLTLGIRESR KEDEGWYLM TLEKNVSVQRFCLQLRLYEQVSTPEIKVLNKTQENGCTLI LGCTVEKGD HVAYSWSEKAGTHPLNPANSSHLLSLTLGPQHADNYICTV SNPISNNSQ TFSPWPGCRTDPSETKPVDHHHHHH	
<b>Predicted molecular weight</b>	25 kDa including tags	
<b>Amino acids</b>	21 to 237	
<b>Tags</b>	His tag C-Terminus	

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab151342** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
	HPLC
<b>Form</b>	Lyophilized

### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at -80°C. pH: 7.40 Constituents: 99% Phosphate Buffer, 0.88% Sodium chloride
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in 1X PBS. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>General Info</b>	
<b>Function</b>	High-affinity self-ligand important in bidirectional T-cell to B-cell stimulation. SLAM-induced signal-transduction events in T-lymphocytes are different from those in B-cells. Two modes of SLAM signaling are likely to exist: one in which the inhibitor SH2D1A acts as a negative regulator and another in which protein-tyrosine phosphatase 2C (PTPN11)-dependent signal transduction operates.
<b>Tissue specificity</b>	Constitutively expressed on peripheral blood memory T-cells, T-cell clones, immature thymocytes and a proportion of B-cells, and is rapidly induced on naive T-cells after activation.
<b>Sequence similarities</b>	Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
<b>Domain</b>	The most membrane-proximal SH2-binding motif interacts with SH2 domain of SH2D1A and does not need to be phosphorylated on tyrosine residues.
<b>Post-translational modifications</b>	Phosphorylated by FYN.
<b>Cellular localization</b>	Cell membrane. Present on the surface of B-cells and T-cells.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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