

## Recombinant Human CD48/SLAMF2/BCM1 Protein

<b>Catalog No</b>	RP00107	<b>Category</b>	Protein
<b>Description</b>	Recombinant Human CD48/SLAMF2/BCM1 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Gln27-Ser220) of human CD48/SLAMF2/BCM1 (Accession #NP_001769.2) fused with an Fc, 6xHis tag at the C-terminus.		
<b>Bio-Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized rh2B4/Fc Chimera at 5 µg/mL (100 µL/well) can bind Recombinant Human CD48/SLAMF2/BCM1 with a linear range of 0.06-4 µg/mL.		

### Sequence Information

<b>Species</b>	Human	<b>Gene ID</b>	962
<b>Tags</b>	Fc, 6xHis tag at the C-terminus	<b>Swiss Prot</b>	P09326
<b>Synonyms</b>	BCM1;BLAST;BLAST1;hCD48;mCD48;MEM-102;SLAMF2		
<b>AA Sequence</b>	QGHLVHMTVVSGSNVTLNISESLPENYKQLTWFYTFDQKIVEWDSRKSKEYFESKFKGRVRLDPQSGALYISKVQKEDNSTYIMRVLKKTGNEQEWKIKLQVLPVPPKPVKIEKIEDMDDNCYLKLSVCVPGESVNYTWYGDKRPFKELQNSVLETTLMPHNYSRCYTCQVSNVSSSKNGTVCLSPPTLARS		

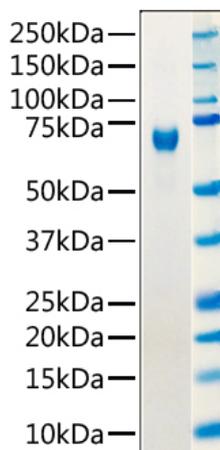
### Product information

<b>Source</b>	HEK293 cells
<b>Purity</b>	> 97% by SDS-PAGE.
<b>Endotoxin</b>	< 0.1 EU/µg of the protein by LAL method.
<b>Formulation</b>	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
<b>Storage</b>	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. <b>Avoid repeated freeze/thaw cycles.</b>

### Background

This protein is a member of the CD2 subfamily of immunoglobulin-like receptors which includes SLAM (signaling lymphocyte activation molecules) proteins. The encoded protein is found on the surface of lymphocytes and other immune cells, dendritic cells and endothelial cells, and participates in activation and differentiation pathways in these cells. The encoded protein does not have a transmembrane domain, however, but is held at the cell surface by a GPI anchor via a C-terminal domain which maybe cleaved to yield a soluble form of the receptor. Multiple transcript variants encoding different isoforms have been found for this gene.

### SDS-PAGE



### Bioactivity

Recombinant Human CD48/SLAMF2/BCM1 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 63-73 kDa.