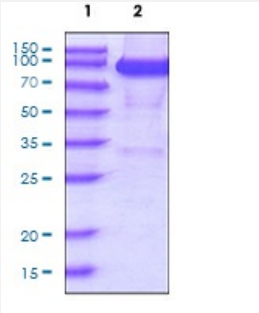
Bioactive

CD6 (Human) Recombinant Protein

Catalog # P8097 Size 100 ug

Applications



Specification

Product Description	Human CD6 (P30203, 18 a.a. - 402 a.a.) partial length recombinant protein hIgG-His tag expressed in Baculovirus expression system.
Sequence	HPSPAPPDQLNTSSAESELWEPGERLPVRLTNGSSSCSGTVEVRLEASWEPACGALWDSRAA EAVCRALGCGGAEAASQLAPPTPELPPPPAAGNTSVAANATLAGAPALLCSGAEWRLCEVVEH ACRSDGRRARVTCAENRALRLVDGGGACAGRVEMLEHGEWGSVCDDTWDLEDAHVVCRQLG CGWAVQALPGLHFTPGRGPIHRDQVNCSGAEAYLWDCPGLPGQHYCGHKEDAGAVCSEHQSW RLTGGADRCEGQVEVHFRGVWNTVCDSEWYPSEAKVLCQSLGCGTAVERPKGLPHSLSGRMY YSCNGEELTLSNCSWRFNNSNLCSQSLAARVLCSASRSLHNLSTPEVPASVQTVTIESSVTVKIE NKESRELMLL
Host	Viruses
Theoretical MW (kDa)	68.3
Form	Liquid
Preparation Method	Baculovirus expression system
Purity	> 90% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)

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Activity	Measured by the ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells. When cells are added to human CD6 coated plates 10 ug/ml. This effect is more to 50%.
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.
Storage Buffer	In Phosphate-Buffer Saline pH 7.4 (10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — CD6

Entrez GeneID	923
Protein Accession#	P30203
Gene Name	CD6
Gene Alias	FLJ44171, TP120
Gene Description	CD6 molecule
Omim ID	186720
Gene Ontology	Hyperlink
Gene Summary	CD6 is a monomeric 105- or 130-kD membrane glycoprotein that is involved in T-cell activation. The size difference between the 2 CD6 forms is due to differences in phosphorylation (Robinson et al., 1995 [PubMed 7589069]).[supplied by OMIM
Other Designations	CD6 antigen

Pathway

- Cell adhesion molecules (CAMs)

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Disease

- Genetic Predisposition to Disease
- Multiple Sclerosis

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