Recombinant Human CD82

Cat. No. CD82-27889TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CD82 with N terminal proprietary tag; Predicted MWt 55.11 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	267 amino acids
Description	This metastasis suppressor gene product is a membrane glycoprotein that is a member of the transmembrane 4 superfamily. Expression of this gene has been shown to be downregulated in tumor progression of human cancers and can be activated by p53 through a consensus binding sequence in the promoter. Its expression and that of p53 are strongly correlated, and the loss of expression of these two proteins is associated with poor survival for prostate cancer patients. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
Molecular Weight	55.110kDa inclusive of tags
Tissue specificity	Lymphoid specific.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MGSACIKVTKYFLFLFNLIFFILGAVILGFGVWILADKSS FISVLQTSSSSLRMGAYVFI GVGAVTMLMGFLGCIGAVNE VRCLLGLYFAFLLLILIAQVTAGALFYFNMGKLKQEM GGI VTELIRDYNSSREDSLQDAWDYVQAQVKCCGWVSFYNWTD NAELMNRPEVT YPCSCEVKGEEDNSLSVRKGFCEAPGNRT QSGNHPEDWPVYQEGCMEKVQAWL QENLGIILGVGVGVAI VELLGMVLSICLCRHVHSEDYSKVPKY
Sequence Similarities	Belongs to the tetraspanin (TM4SF) family.

GENE INFORMATION

Gene Name	CD82 CD82 molecule [Homo sapiens]
Official Symbol	CD82
Synonyms	CD82; CD82 molecule; CD82 antigen , KAI1, kangai 1 (suppression of tumorigenicity 6, prostate; CD82 antigen (R2 leukocyte antigen, antigen detected by monoclonal and IA4)) , ST6; CD82 antigen; IA4; R2; R2 leukocyte antigen; suppression of tumorigenicit
Gene ID	3732
mRNA Refseq	NM_001024844
Protein Refseq	NP_001020015

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MIM	600623
Uniprot ID	P27701
Chromosome Location	11p11.2
Pathway	Direct p53 effectors, organism-specific biosystem; p53 signaling pathway, organism-specific biosystem; p53 signaling pathway, conserved biosystem;
Function	protein binding;

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