

Product datasheet for **TP726764**

CD9 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human CD9 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ser112-Ile195
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS,pH7.4.
Note:	Recombinant Human CD9 Antigen is produced by our Mammalian expression system and the target gene encoding Ser112-Ile195 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$, stable for one year after receipt. Reconstituted protein solution can be stored at $2-8^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months.
Stability:	12 months from date of despatch
Locus ID:	928
UniProt ID:	P21926
Synonyms:	CD9 antigen; CD9 molecule; CD9; Cell growth-inhibiting gene 2 protein; MIC3; TSPAN29; DRAP-27; MRP1; BTCC1
Summary:	CD9, also known as Tspan29, 5H9 antigen, Leukocyte antigen MIC3 (MIC3), Motility-related protein, is a multi-pass membrane protein which belongs to the tetraspanin (TM4SF) family or the transmembrane 4 superfamily. CD9 is a cell surface glycoprotein with 4 hydrophobic domains that is described to complex with integrins and other transmembrane 4 superfamily members. The protein takes part in cellular signal transduction events and thus play a role in the regulation of cell development and activation, growth and motility. Besides, CD9 seems to be a key role in the egg-sperm fusion during the mammalian fertilization processes. CD9 also seems to be a key part in the egg-sperm fusion during mammalian fertilization.
Protein Families:	Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Hematopoietic cell lineage


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