

Product datasheet for **TP723358**

CD31 (PECAM1) (NM_000442) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Human platelet/endothelial cell adhesion molecule (PECAM1). |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | ENSFTINSVD MKSLPDWTVQ NGKNLTLQCF ADVSTTSHVK PQHQMLFYKD DVLFYNISSM KSTESYFIPE VRIYDSGYK CTVIVNNKEK TTAEQQLLVE GVPSRVTLTD KKEAIQGGIV RVNCSVPEEK APIHFTEIKL ELNEKMKVCLK REKNSRDQNF VILEFPVEEQ DRVLSFRCQA RIISGIHMQT SESTKSELVT VTESFSTPKF HISPTGMIME GAQLHIKCTI QVTHLAQFEP EIIIQKDKAI VAHNRHGKKA VYSVMAMVEH SGNYTCKVES SRISKVSSIV VNITELFSKP ELESSFTHLD QGERLNLSCS IPGAPPANFT IQKEDTIVSQ TQDFTKIASK SDSGYICTA GIDKVVKSN TVQIVCEML SQPRISYDAQ FEVIKGTIE VRCEISGTL PISYQLLKTS KVLENSTKNS NDPAVFKDNP TEDVEYQCVA DNCHSHAKML SEVLRVKVIA PVDEVQISIL SSKVVESGED IVLQCAVNEG SGPITYKFYR EKEGKPFYQM TSNATQAFWT KQKASKEQEG EYCTAFNRA NHASSVPRSK ILTVRVILAP WK |
| Tag: | Tag Free |
| Predicted MW: | 64 kDa |
| Concentration: | lot specific |
| Purity: | >95% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | Lyophilized from a 0.2 μ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2 |
| Bioactivity: | Determined by its ability to support the adhesion of activated Jurkat cells. The expected ED50 for this effect is 1.0 -1.5 μ g/mL. |
| Endotoxin: | Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g) |
| Storage: | Store at -80°C. |
| Stability: | Stable for at least 6 months from date of receipt under proper storage and handling conditions. |
| RefSeq: | NP_000433 |
| Locus ID: | 5175 |
| UniProt ID: | P16284 |



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| RefSeq Size: | 3754 |
| Cytogenetics: | 17q23.3 |
| RefSeq ORF: | 2214 |
| Synonyms: | CD31; CD31/EndoCAM; endoCAM; GPIIA'; PECA1; PECAM-1 |
| Summary: | The protein encoded by this gene is found on the surface of platelets, monocytes, neutrophils, and some types of T-cells, and makes up a large portion of endothelial cell intercellular junctions. The encoded protein is a member of the immunoglobulin superfamily and is likely involved in leukocyte migration, angiogenesis, and integrin activation. [provided by RefSeq, May 2010] |
| Protein Families: | Druggable Genome, ES Cell Differentiation/IPS, Transmembrane |
| Protein Pathways: | Cell adhesion molecules (CAMs), Leukocyte transendothelial migration |