

Product datasheet for **TP727200**

Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant Human CUB Domain-Containing Protein 1/CDCP1/CD318 (C-6His) |
| Species: | Human |
| Expression cDNA Clone or AA Sequence: | Phe30-Ser341 |
| Tag: | C-His |
| Buffer: | Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4. |
| Note: | Recombinant Human CUB domain-containing protein 1 is produced by our Mammalian expression system and the target gene encoding Phe30-Ser341 is expressed with a 6His tag at the C-terminus. |
| Storage: | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Stability: | 12 months from date of despatch |
| Synonyms: | CUB domain-containing protein 1;Membrane glycoprotein gp140;Subtractive immunization M plus HEp3-associated 135 kDa protein;SIMA135;Transmembrane and associated with src kinases;CD318;TRASK |
| Summary: | CUB domain-containing protein 1(CDCP1) is a transmembrane glycoprotein with a large extracellular domain (ECD) containing two CUB domains, and a smaller intracellular domain (ICD) containing five tyrosines. CDCP1 is widely expressed in human epithelial tissues, but its phosphorylation is only seen in mitotically detached or shedding cells, consistent with its role in the negative regulation of cell adhesion. The tyrosine phosphorylation of CDCP1 in cultured cells occurs when cells are induced to detach by trypsin or EDTA, or seen spontaneously during mitotic detachment. The overexpression of CDCP1 leads to the loss of cell adhesion and a detached phenotype. |



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