

Product datasheet for **TP727898**

CD82 Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant Human CD82 (N-Fc) |
| Species: | Human |
| Expression cDNA Clone or AA Sequence: | Gly103-Gln225 |
| Tag: | N-Fc |
| Buffer: | Lyophilized from a 0.2 um filtered solution of PBS, pH7.4. |
| Note: | Recombinant Human CD82 Antigen is produced by our Mammalian expression system and the target gene encoding Gly103-Gln225 is expressed with a Fc tag at the N-terminus. |
| Stability: | 12 months from date of despatch |
| Locus ID: | 3732 |
| UniProt ID: | P27701 |
| Summary: | CD82 antigen, also known as Kai-1, is a widely expressed palmitoylated molecule of the tetraspanin superfamily. KAI1/CD82 is localized on cell membrane and form interactions with other tetraspanins, integrins and chemokines which are respectively responsible for cell migration, adhesion and signaling. CD82/Kai-1 is a component of the promiscuous TIMP-1 interacting protein complex on the cell surface of human adenocarcinoma cells and gives insight into tumorigenic metastatic potential. CD82/Kai-1 suppresses EMT in prostate cancer cells adhered to fibronectin leading to reduced cell migration and invasiveness. CD82/Kai-1 function is important for muscle stem cell function in muscular disorders. Overexpression of CD82/Kai-1 suppresses growth, migration and invasion of oral cancer cells and may be considered as a potential therapeutic target in oral cancer. |



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