



Recombinant Human Matrix metalloproteinase-14 (MMP14)

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| Product Code | CSB-EP014661HU |
| Relevance | Ses to specifically activate progelatinase A. May thus trigger invasion by tumor cells by activating progelatinase A on the tumor cell surface. May be involved in actin cytoskeleton reorganization by cleaving PTK7. Acts as a positive regulator of cell growth and migration via activation of MMP15. Involved in the formation of the fibrovascular tissues in association with pro-MMP2. |
| Abbreviation | Recombinant Human MMP14 protein |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| Uniprot No. | P50281 |
| Alias | MMP-X1Membrane-type matrix metalloproteinase 1 ;MT-MMP 1 ;MTMMP1Membrane-type-1 matrix metalloproteinase ;MT1-MMP ;MT1MMP |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | Greater than 90% as determined by SDS-PAGE. |
| Sequence | YAIQGLKWQHNEITFCIQNYTPKVGEYATYEAIRKAFRVWESATPLRFREVPYA YIREGHEKQADIMIFFAEGFHGDSTPFDGEGGFLAHAYFPGPNIGGDTHFDSA EPWTVRNEDLNGNDIFLVAVHELGHALGLEHSSDPSAIMAPFYQWMDTENFV LPDDDRRGIIQQLYGGESGFPTKMPPQPRTTSRPSVPDKPKNPTYGPNICDGN FDTVAMLRGEMFVFKERWFWRVRNNQVMDGYPMPIGQFWRGLPASINTAYE RKDGKVFVFFKGDKHWVFDEASLEPGYPKHIKELGRGLPTDKIDAALFWMPNG KTYFFRGNKYYRFNEELRAVDSEYPKNIKVWEGIPESPRGSFMGSDEVFTYFY KGNKYWKFNQKLKVEPGYPKSALRDWMGCPSGGRPDEGTEEEETEVIIEVD EEGGGAVSAAAVVLPVLLLLLVAVGLAVFFFRRHGTPRRLLYCQRSLLDKV |
| Research Area | Cancer |
| Source | E.coli |
| Target Names | MMP14 |
| Expression Region | 112-582aa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | N-terminal 6xHis-SUMO-tagged |
| Mol. Weight | 69.9kDa |
| Protein Length | Full Length of Mature Protein |



sarcomas, with the childhood rhabdomyosarcomas and Ewing sarcoma representing intriguing exceptions, suggesting that it may be a particularly important player in sarcoma biology.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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