

Product sheet

HPAC | 305309

HPAC

**Description** HPAC, a member of the matrix metalloproteinase (MMP) family, is a zinc-dependent endopeptidase that is involved in the degradation of extracellular matrix components. HPAC is expressed in various tissues, including the placenta, and is known to play a role in tissue remodeling and cancer progression. HPAC is a member of the matrix metalloproteinase (MMP) family, which includes other enzymes like MT1-MMP. HPAC is known for its ability to degrade various components of the extracellular matrix, such as collagen, laminin, and proteoglycans. This activity is crucial for processes like embryonic development, tissue repair, and cancer metastasis.

**Organism** Human

**Tissue** Placenta

**Disease** Cancer

**Synonyms** Hpac

HPAC

**Age** 64 years

**Gender** Male

**Ethnicity** Caucasian

**Morphology** Male

**Cell type** Fibroblast

**Growth properties** Adherent

HPAC

**Citation** HPAC (HPAC) Cytion 305309

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_3517



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Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 ml of pre-warmed medium. Seed the cells into a T25 flask containing 70% medium.
3. Incubate the cells at 37°C in 5% CO<sub>2</sub> until they reach confluence.
4. Harvest the cells by trypsinization. Seed the cells into a T25 flask containing 70% medium.
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6. Harvest the cells by trypsinization. Seed the cells into a T25 flask containing 70% medium.
7. Incubate the cells at 37°C in 5% CO<sub>2</sub> until they reach confluence.
8. Harvest the cells by trypsinization. Seed the cells into a T25 flask containing 70% medium.

Incubation Atmosphere

37°C, 5% CO<sub>2</sub>, humidified

Flask Coating

Coated with poly-L-lysine

Freezing Procedure

Resuspend cells in 1 ml of freezing medium. Seed into a cryovial and freeze at -78°C.

Shipping Conditions

Store at -78°C

Storage Conditions

Store at -150°C for up to 196 days

HPAC / HPAC / HLA

Sterility

HPAC is sterile and ready for use in PCR applications.

HPAC is free of mycoplasmas, endotoxins, and other contaminants.