

# Product Information

## MemDX™ Membrane Protein Human ACP4 (Acid phosphatase 4) Full Length

Cat. No.: **MPC4675K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human ACP4 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

ACP4

#### Protein Length

Full length

#### Protein Class

Receptor

#### TMD

1

#### Sequence

MAGLGFWGHPAGPLLLLLLLVLPPRALPEGPLVFVALVFRHGDRAPLASYPMDPHKEVASTLWPRGLGQLTTEGVRQQLELGRFLRSRYEAFLSPEYRRE  
EVYIRSTDFDRTLESAQANLAGLFPEAAPGSPEARWRPIPVHTVPVAEDK  
LLRFPMRSCPRYHELLREATEAAEYQEALGWTGFLSRLENFTGLSLVGE  
PLRRRAWKVLDTLMCQQAHLPLPAWASPDVLRTLAQISALDIGAHVGPPR  
AAEKAQLTGGILLNAILANFSRVQRLGLPLKMVMYSAHDSTLLALQGALG  
LYDGHTPPYAACLGFEFRKHLGNPAKDGGNVTVSLFYRNDSAHLPLPLSL  
PGCPAPCPLGRFYQLTAPARPPAHGVSCHGPYEAIPAPVVPLLGAVALV  
LVALSLGLGLLAWRPGCLRALGGPV

### Product Description

#### Expression Systems

HEK293

#### Tag

Based on specific requirements

#### Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

**Form**

Liquid

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

ACP4

**Full Name**

Acid phosphatase 4

**Introduction**

Acid phosphatases are enzymes capable of hydrolyzing orthophosphoric acid esters in an acid medium. This gene is up-regulated by androgens and is down-regulated by estrogens in the prostate cancer cell line. This gene exhibits a lower level of expression in testicular cancer tissues than in normal tissues. The protein encoded by this gene has structural similarity to prostatic and lysosomal acid phosphatases. Alternatively spliced transcript variants have been described, but their biological validity has not been determined.

**Alternative Names**

ACP4; ACPT; AI1J; testicular acid phosphatase; acid phosphatase, testicular; Acid phosphatase 4

**Gene ID**

[93650](#)

**UniProt ID**

[Q9BZG2](#)