# Recombinant Full Length Human ACP5 Protein, GST-tagged

**Cat. No.** ACP5-802HF **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Human ACP5 full-length ORF ( NP_001602.1, 1 a.a. - 325 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Species** | Human |
| **Source** | In Vitro Cell Free System |
| **ProteinLength** | 325 amino acids |
| **Description** | This gene encodes an iron containing glycoprotein which catalyzes the conversion of orthophosphoric monoester to alcohol and orthophosphate. It is the most basic of the acid phosphatases and is the only form not inhibited by L(+)-tartrate. [provided by RefSeq, Aug 2008] |
| **Molecular Mass** | 63 kDa |
| **AA Sequence** | MDMWTALLIL QALLLPSLAD GATPALRFVA VGDWGGVPNA PFHTAREMAN AKEIARTVQI LGADFILSLG DNFYFTGVQD INDKRFQETF EDVFSDRSLR KVPWYVLAGN HDHLGNVSAQ IAYSKISKRW NFPSPFYRLH FKIPQTNVSV AIFMLDTVTL CGNSDDFLSQ QPERPRDVKL ARTQLSWLKK QLAAAREDYV LVAGHYPVWS IAEHGPTHCL VKQLRPLLAT YGVTAYLCGH DHNLQYLQDE NGVGYVLSGA GNFMDPSKRH QRKVPNGYLR FHYGTEDSLG GFAYVEISSK EMTVTYIEAS GKSLFKTRLP RRARP |
| **Applications** | Enzyme-linked Immunoabsorbent Assay |

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| | Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| **Storage** | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

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| **Gene Name** | ACP5 acid phosphatase 5, tartrate resistant [ Homo sapiens ] |
| **Official Symbol** | ACP5 |
| **Synonyms** | ACP5; acid phosphatase 5, tartrate resistant; tartrate-resistant acid phosphatase type 5; tartrate resistant acid phosphatase; TRAP; TrATPase; tartrate-resistant acid ATPase; SPENCDI |
| **Gene ID** | 54 |
| **mRNA Refseq** | NM_001111034 |
| **Protein Refseq** | NP_001104504 |
| **MIM** | 171640 |
| **UniProt ID** | P13686 |

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