



# Recombinant Rat Tartrate-resistant acid phosphatase type 5 (Acp5)

<b>Product Code</b>	CSB-EP001178RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P29288
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>APASTLRF VAVGDWGGVP NAPFHTAREM ANAKEIARTV QIMGADFIMS            LGDNFYFTGV HDANDKRFQE TFEDVFSRA LRNIPWYVLA GNHDHLGNVS            AQIAYSKISK RWNFPSPYYR LRFKVPNSNI TVAIFMLDTV MLCGNSDDFV            SQQPEMPRDL GVARTQLSWL KKQLAAAKED YVLVAGHYPI WSIAEHGPTR            CLVKNLRPLL AAYGVTAYLC GHDHNLQYLQ DENGVGIVLS GAGNFMDFSV            RHQRKVPNGY LRFHYGSEDS LGGFTYVEIG SKEMSITYVE ASGKSLFKTS            LPRRPRP</p>
<b>Source</b>	E.coli
<b>Target Names</b>	Acp5
<b>Protein Names</b>	Recommended name: Tartrate-resistant acid phosphatase type 5 Short name= TR-AP EC= 3.1.3.2 Alternative name(s): Tartrate-resistant acid ATPase Short name= TrATPase Type 5 acid phosphatase
<b>Expression Region</b>	23-327
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.