



# Recombinant Human Acylphosphatase-2 (ACYP2)

<b>Product Code</b>	CSB-EP001266HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P14621
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	STAQSLKSV DYEVFGRVQG VCFRMYTEDE ARKIGVVGWV KNTSKGTVTG QVQGPEDKVN SMKSWLSKVG SPSSRIDRTN FSNEKTISKL EYSNFSIRY
<b>Source</b>	E.coli
<b>Target Names</b>	ACYP2
<b>Protein Names</b>	Recommended name: Acylphosphatase-2 EC= 3.6.1.7 Alternative name(s): Acylphosphatase, muscle type isozyme Acylphosphate phosphohydrolase 2
<b>Expression Region</b>	2-99
<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>	Acylphosphatase can hydrolyze the phosphoenzyme intermediate of different membrane pumps, particularly the Ca <sup>2+</sup> /Mg <sup>2+</sup> -ATPase from sarcoplasmic reticulum of skeletal muscle. Two isoenzymes have been isolated, called muscle acylphosphatase and erythrocyte acylphosphatase on the basis of their tissue localization. This gene encodes the muscle-type isoform (MT). An increase of the MT isoform is associated with muscle differentiation.
<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.