



Recombinant Human Acylphosphatase-2 (ACYP2)

Product Code	CSB-MP001266HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P14621
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	STAQSLKSV DYEVFGRVQG VCFRMYTEDE ARKIGVVGWV KNTSKGTVTG QVQGPEDKVN SMKSWLSKVG SPSSRIDRTN FSNEKTISKL EYSNFSIRY
Source	Mammalian cell
Target Names	ACYP2
Protein Names	Recommended name: Acylphosphatase-2 EC= 3.6.1.7 Alternative name(s): Acylphosphatase, muscle type isozyme Acylphosphate phosphohydrolase 2
Expression Region	2-99
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	Acylphosphatase can hydrolyze the phosphoenzyme intermediate of different membrane pumps, particularly the Ca ²⁺ /Mg ²⁺ -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.
Reconstitution	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.
Shelf Life	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.