

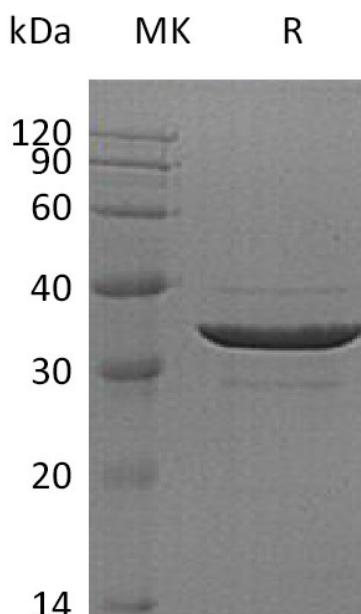
**Product Name: Recombinant Human ACYP2 (N-GST)**  
**Catalog #: PEH0020**



## Summary

<b>Name</b>	ACYP2/Acylphosphatase-2
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Acylphosphate Phosphohydrolase 2 is produced by our E.coli expression system and the target gene encoding Ser2-Tyr99 is expressed with a GST tag at the N-terminus.
<b>Accession #</b>	P14621
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	37.43 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	

## SDS-PAGE image



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### **Alternative Names**

Acylphosphatase-2; ACYP2; Acylphosphatase; muscle type isozyme; Acylphosphate phosphohydrolase 2; ACYP

### **Background**

ACYP2, also known as Acylphosphatase-2, is a protein which belongs to the acylphosphatase family. ACYP2 contains one acylphosphatase-like domain. ACYP2 plays an important role in hydrolyzing the phosphoenzyme intermediate of different membrane pumps, particularly the  $\text{Ca}^{2+}/\text{Mg}^{2+}$ -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.

### **Note**

For Research Use Only , Not for Diagnostic Use.