

Acylphosphatase-2/ACYP2 Protein, Human (GST)

Cat. No.:	HY-P7459
Synonyms:	rHuAcylphosphatase-2, N-GST; ACYP-2; Acylphosphatase-2
Species:	Human
Source:	E. coli
Accession:	P14621 (S2-Y99)
Gene ID:	98
Molecular Weight:	Approximately 34.0 kDa

PROPERTIES

AA Sequence	<pre> M S P I L G Y W K I K G L V Q P T R L L L E Y L E E K Y E E H L Y E R D E G D K W R N K K F E L G L E F P N L P Y Y I D G D V K L T Q S M A I I R Y I A D K H N M L G G C P K E R A E I S M L E G A V L D I R Y G V S R I A Y S K D F E T L K V D F L S K L P E M L K M F E D R L C H K T Y L N G D H V T H P D F M L Y D A L D V V L Y M D P M C L D A F P K L V C F K K R I E A I P Q I D K Y L K S S K Y I A W P L Q G W Q A T F G G G D H P P K S T A Q S L K S V D Y E V F G R V Q G V C F R M Y T E D E A R K I G V V G W V K N T S K G T V T G Q V Q G P E D K V N S M K S W L S K V G S P S S R I D R T N F S N E K T I S K L E Y S N F S I R Y </pre>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filter solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	Acylphosphatase-2 (ACYP2) is a small cytosolic acylphosphatase enzyme. The ACYP2 gene, located on chromosome 2p16.2, catalyzes the hydrolysis of carboxyl-phosphate bonds and hydrolyzes the phosphoenzyme intermediates of various membrane pumps, such as the sarcoplasmic reticulum Ca^{2+}/Mg^{2+} -ATPase found in skeletal muscle ^[1] .
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REFERENCES

[1]. Wu J, et al. Single Nucleotide Polymorphisms in the Acylphosphatase 2 Gene and The SNP-SNP Interactions on the Risk of Breast Cancer in Chinese Han Women. Clin Breast Cancer. 2018 Jun;18(3):e329-e333.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA