

ACYP1 Protein, Human, Recombinant (GST)

General Information

Synonyms:	ACYPE;acylphosphatase 1, erythrocyte (common) type
Protein Construction:	A DNA sequence encoding the human ACYP1 (P07311) (Ala 2-Lys 99) was fused with the GST tag at the N-terminus. Predicted N terminal: Met
Species:	Human
Expression Host:	E. coli
Accession:	P07311
Molecular Weight:	38 kDa (predicted); 37 kDa (reducing conditions)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 92 % as determined by SDS-PAGE
Endotoxin:	Please contact us for more information.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing 20 mM Tris, 0.15M NaCl, 0.5 mM GSH, pH 8.0. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:	A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.
Stability & Storage:	It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>

Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.
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Reference

- Degl'Innocenti, D. et al., 2004, IUBMB Life. 56 (1):29-33.
- Gribenko A.V., et al., 2009, Proc. Natl. Acad. Sci. USA. 106:2601-2606.
- Yeung R.C., et al., 2006, Acta Crystallogr. F 62:80-82.
- Burkard T.R., et al., 2011, BMC Syst. Biol. 5:17-17.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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