

## Recombinant human Diamine acetyltransferase 1

Catalog No: #AP71790



Package Size: #AP71790-1 20ug #AP71790-2 100ug #AP71790-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Recombinant human Diamine acetyltransferase 1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:5-171aa?Sequence Info:Full Length
Other Names	Polyamine N-acetyltransferase 1;Putrescine acetyltransferase;Spermidine,spermine N(1)-acetyltransferase 1 ;SSAT ;SSAT-1
Accession No.	P21673
Uniprot	P21673
GeneID	6303;
Calculated MW	23.5 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	VIRPATAADCSDILRLIKELAKYEYMEEQVILTEKDLLEDGFGEHPFYHCLVAEVPKEHWTPEGHSIVGFAMYYF TYDPWIGKLLYLEDFVMSDYRGFGIGSEILKNLSQVAMRCRCSSMHFLVAEWNEPSINFYKRRGASDLSSEE GWRLFKIDKEYLLKMATEE
Formulation	Tris-based buffer50% glycerol
Storage	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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Enzyme which catalyzes the acetylation of polyamines. Substrate specificity: norspermidine = spermidine >> spermine > N(1)-acetylspermine > putrescine. This highly regulated enzyme allows a fine attenuation of the intracellular concentration of polyamines. Also involved in the regulation of polyamine transport out of cells. Acts on 1,3-diaminopropane, 1,5-diaminopentane, putrescine, spermidine (forming N(1)- and N(8)-acetylspermidine), spermine, N(1)-acetylspermidine and N(8)-acetylspermidine.

## References

Isolation and characterization of a cDNA clone that codes for human spermidine,spermine N1-acetyltransferase.Casero R.A. Jr., Celano P., Ervin S.J., Applegren N.B., Wiest L., Pegg A.E.J. Biol. Chem. 266:810-814(1991)Research Topic:Metabolism

Note: This product is for in vitro research use only