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# serine Dehydratase Protein (SDS) (AA 1-217) (His tag)



#### Overview

Quantity:	100 μg
Target:	serine Dehydratase (SDS)
Protein Characteristics:	AA 1-217
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This serine Dehydratase protein is labelled with His tag.

#### **Product Details**

Sequence:	Met 1-Thr 217
Characteristics:	A DNA sequence encoding the Human SDHL/SDS protein (P20132) (Met 1-Thr 217) was expressed with a C-His and N-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Target Details

Target:	serine Dehydratase (SDS)
Alternative Name:	L-serine dehydratase/L-threonine deaminase (SDS Products)
Background:	Abbreviation: SDHL,SDS
	Target Synonym: L-serine dehydratase/L-threonine deaminase,SDS,SDHL, L-serine
	deaminase,L-threonine dehydratase (TDH)
	Background: This gene encodes one of three enzymes that are involved in metabolizing serine

## **Target Details**

	and glycine. L-serine dehydratase converts L-serine to pyruvate and ammonia and requires pyridoxal phosphate as a cofactor. The encoded protein can also metabolize threonine to NH4+ and 2-ketobutyrate. The encoded protein is found predominantly in the liver.
Molecular Weight:	Calculated MW: 23.76 kDa Observed MW: 25 kDa
UniProt:	P20132
Pathways:	Ribonucleoprotein Complex Subunit Organization, Ribosome Assembly
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4.  Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months