

Recombinant Human SDS, His-tagged

Cat. No. SDS-2555H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SDS protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-218aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	SDS serine dehydratase [Homo sapiens]
Official Symbol	SDS
Synonyms	SDS; serine dehydratase; L-serine dehydratase/L-threonine deaminase; SDH; TDH; L-serine deaminase; L-serine dehydratase; L-serine ammonia-lyase; L-threonine dehydratase;

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Gene ID	10993
mRNA Refseq	NM_006843
Protein Refseq	NP_006834
MIM	182128
UniProt ID	P20132
Chromosome Location	12q24.21
Pathway	Cysteine and methionine metabolism, organism-specific biosystem; Cysteine and methionine metabolism, conserved biosystem; Glycine, serine and threonine metabolism, organism-specific biosystem; Glycine, serine and threonine metabolism, conserved biosystem; L-serine degradation, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; glycine betaine degradation, organism-specific biosystem;
Function	L-serine ammonia-lyase activity; L-threonine ammonia-lyase activity; catalytic activity; lyase activity; protein homodimerization activity; pyridoxal phosphate binding; pyridoxal phosphate binding;

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