

Product datasheet for PH317814

SDS (NM_006843) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SDS MS Standard C13 and N15-labeled recombinant protein (NP_006834)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217814
Predicted MW:	34.4 kDa
Protein Sequence:	>RC217814 representing NM_006843 Red =Cloning site Green =Tags(s) MMSGEP LHVKTPIRDSMALSKMAGTSVYLKMSAQPSGSFKIRGIGHFCKRWAKQGC AHFVCSSAGNAGM AAAYAARQLGVPATIVVPSTTPALTIERLKNEGATVKVVGELLDEAFELAKALAKNNPGWVYIPPFDDPL IWEGHASIVKELKETLWEKPGAIALSVGGGGLLCGVVQGLQEVGWGDVPVIAMETFGAHSFHAATTAGKL VSLPKITSVAKALGVKTVGAQALKLFQEHPIFSEVISDQEAVAAIEKFVDDEKILVEPACGAALAAVYSH VIQKLQLEGNLRTPLPSLVVIVCGGSNISLAQLRALKEQLGMTNRLPK TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006834
RefSeq Size:	1620
RefSeq ORF:	984
Synonyms:	SDH
Locus ID:	10993



[View online »](#)

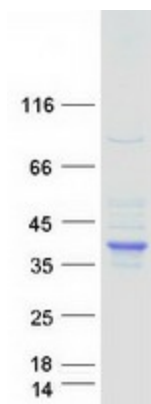
UniProt ID: [P20132](#), [Q8WW81](#)

Cytogenetics: 12q24.13

Summary: This gene encodes one of three enzymes that are involved in metabolizing serine 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. [provided by RefSeq, Jul 2008]

Protein Pathways: Cysteine and methionine metabolism, Glycine, serine and threonine metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified SDS protein (Cat# [TP317814]). The protein was produced from HEK293T cells transfected with SDS cDNA clone (Cat# [RC217814]) using MegaTran 2.0 (Cat# [TT210002]).