

## Product datasheet for TP317814L

### SDS (NM\_006843) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human serine dehydratase (SDS), 1 mg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC217814 representing NM\_006843  
Red=Cloning site Green=Tags(s)

MMSGEPLHVKTPIRDSMALSKMAGTSVYLKMDSAQPSGSFKIRGIGHFCKRWAKQGCAHFVCSAGNAGM  
 AAAYAARQLGVPATIVPSTTPALTIERLKNEGATVKVVGELLDEAFELAKALAKNNPGWVYIPPFDDPL  
 IWEGHASIVKELKETLWEKPGAIALSVGGGGLLCGVVQGLQEVGWGDVPVIAMETFGAHSFHAATTAGKL  
 VSLPKITSVAKALGVKTVGAQALKLFQEHPIFSEVISDQEAVAAIEKFVDDEKILVEPACGAALAAVYSH  
 VIQKLQLEGNLRTPLPSLVIVCGGSNISLAQLRALKEQLGMTNRLPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK  
**Predicted MW:** 34.4 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.  
**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  
**Storage:** Store at -80°C.  
**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  
**RefSeq:** [NP\\_006834](#)  
**Locus ID:** 10993


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

RefSeq Size: 1620

Cytogenetics: 12q24.13

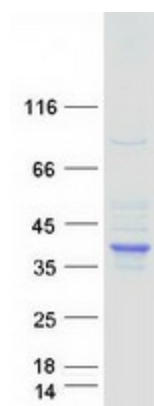
RefSeq ORF: 984

Synonyms: SDH

**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 NH<sub>4</sub><sup>+</sup> 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]).