Recombinant Human SDS Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SDS-2621H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SDS MS Standard C13 and N15-labeled recombinant protein (NP_006834) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	34.4 kDa
AA Sequence	MMSGEPLHVKTPIRDSMALSKMAGTSVYLKMDSAQPSGSFKIRGIGHFCKRWAKQ GCAHFVCSSAGNAGMAAAYAARQLGVPATIVVPSTTPALTIERLKNEGATVKVVGEL LDEAFELAKALAKNNPGWVYIPPFDDPLIWEGHASIVKELKETLWEKPGAIALSVGGG GLLCGVVQGLQEVGWGDVPVIAMETFGAHSFHAATTAGKLVSLPKITSVAKALGVKT VGAQALKLFQEHPIFSEVISDQEAVAAIEKFVDDEKILVEPACGAALAAVYSHVIQKLQ LEGNLRTPLPSLVVIVCGGSNISLAQLRALKEQLGMTNRLPKTRTRPLEQKLISEEDL AANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

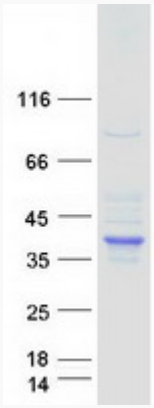
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SDS serine dehydratase [Homo sapiens (human)]
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;
Gene ID	10993
mRNA Refseq	NM_006843
Protein Refseq	NP_006834
MIM	182128
UniProt ID	P20132

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA