Amino acid: S

Number: 19

Modification: p

sequence: AAGQIAYSLLYSIGN

Enzyme: hMDH1

protein is phosphorylated (p), you will substitute a D for the S, T, or Y in the sequence.

Modified sequence: AAGQIAYDLLYSIGN

Processed sequence from group:

MSEPIRVLVTGAAGQIAYSLLYSIGNGSVFGKDQPIILVLLDITPMMGVLDGVLMELQDCALPLLKDVIATDKEDVAFKDLDVAILVGSMPRREGMERKDLLKANVKIFKSQGAALDKYAKKSVKVIVVGNPANTNCLTASKSAPSIPKENFSCLTRLDHNRAKAQIALKLGVTANDVKNVIIWGNHSSTQYPDVNHAKVKLQGKEVGVYEALKDDSWLKGEFVTTVQQRGAAVIKARKLSSAMSAAKAICDHVRDIWFGTPEGEFVSMGVISDGNSYGVPDDLLYSFPVVIKNKTWKFVEGLPINDFSREKMDLTAKELTEEKESAFEFLSSA

pytraj.Trajectory, 50 frames: Size: 0.011663 (GB) <Topology: 10436 atoms, 770 residues, 106 mols, PBC with box type = orthorhombic>

Residues 15,16,19,20