

Recombinant Human SDHL/SDS protein (His tag)

Catalog Number:PDEH100332



Note: Centrifuge before opening to ensure complete recovery of vial contents.

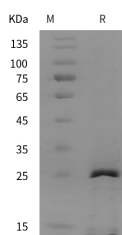
Description

Synonyms	L-serine dehydratase/L-threonine deaminase;SDS;SDHL; L-serine deaminase;L-threonine dehydratase (TDH)
Species	Human
Expression Host	E.coli
Sequence	Met 1-Thr 217
Accession	P20132
Calculated Molecular Weight	23.8 kDa
Observed molecular weight	25 kDa
Tag	N-His & C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

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.

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