

Recombinant *Bacillus subtilis* (strain 168) mdh protein, His-tagged

Cat. No. mdh-3213B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Bacillus subtilis</i> (strain 168) mdh protein(P49814)(2-312aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Bacillus subtilis</i>
Source	<i>E. coli</i>
ProteinLength	2-312aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	37.5 kDa
AA Sequence	GNTRKKVSVIGAGFTGATTAFLIAQKELADVVLVDIPQLENPTKGKALDMLEASPVQG FDAKITGTSNYEDTAGSDIVVITAGIARKPGMSRDDLVSTNEKIMRSVTQEIVKYSPDS IIVVLNPNVDAMTYAVYKESGFPKERVIGQSGVLDTARFRTFVAEELNLSVKDVTGFV LGGHGDDMVPLVRYSYAGGIPTLIPKERIDAIVERTRKGGGEIVNLLGNGSAYYAP AASLTEMVEAILKDQRRVLPTIAYLEGEYGYEGIYLGVPITVGGNGLEQIIIELELTDYE RAQLNKSVESVKNVMKVLS
Purity	Greater than 90% as determined by SDS-PAGE.

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Storage

Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Reconstitution

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

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