Active Recombinant Human IDH1 protein, His-tagged, SEC-HPLC verified

Cat. No. IDH1-2527H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IDH1 protein(Met 1 - Leu 414)(O75874-1), fused with C-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met 1 - Leu 414
Form	Supplied as 0.2 μm filtered solution in 50 mM Tris, 150 mM NaCl, 1 mM TCEP, pH7.5 with glycerol as protectant.
Bio-activity	Measured by the ability to oxidatively decarboxylate isocitrate to 2-oxoglutarate. The specific activity is >10000 pmol/min/μg, as measured under the described conditions.
Molecular Mass	The protein has a calculated MW of 48.5 kDa. The protein migrates as 45-48 kDa under reducing (R) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower.

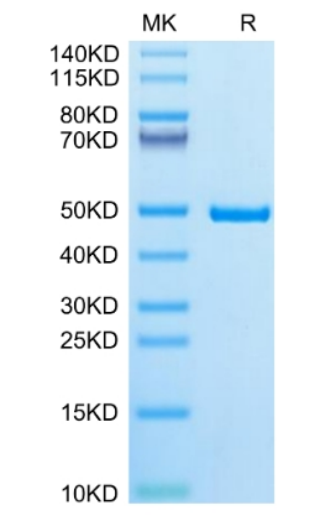
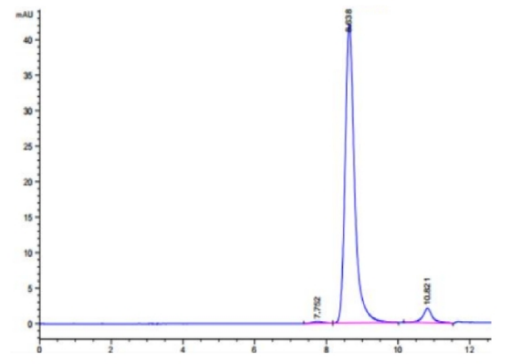
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	Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	idh1 isocitrate dehydrogenase (NAD+) subunit 1 Idh1 [Schizosaccharomyces pombe 972h-]
Official Symbol	IDH1
Synonyms	IDH1; isocitrate dehydrogenase (NAD+) subunit 1 Idh1; EC 1.1.1.41;
Gene ID	2541894
mRNA Refseq	NM_001019820
Protein Refseq	NP_594397

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Tris-Bis PAGE	
SEC-HPLC	

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