

Product Datasheet

Recombinant Mouse Dihydrofolate Reductase/DHFR His Protein NBP1-72281-100ug

Unit Size: 100 ug

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-72281-100ug

Recombinant Mouse Dihydrofolate Reductase/DHFR His Protein

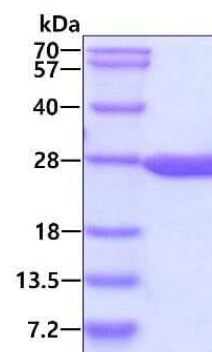
Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>95%, by SDS-PAGE
Buffer	20 mM Tris-HCl buffer (pH 8.0), 10% glycerol, 2 mM DTT, 0.1 M NaCl
Target Molecular Weight	23.8 kDa

Product Description	
Description	<p>A bioactive recombinant protein with a N-Terminal His-tag and corresponding to the amino acids 1-187 of Mouse Dihydrofolate Reductase/DHFR</p> <p>Source: <i>E.coli</i></p> <p>Amino Acid Sequence: MGSSHHHHHH SGLVPRGSH MVRPLNCIVA VSQNMGIGKN GDLPWPPLRN EFKYFQRM TT TSSVEGKQNL VIMGRKTWFS IPEKNRPLKD RINIVLSREL KEPPRGAHFL AKSLDDALRL IEQPELASKV DMVWIVGGSS VYQEAMNQPG HLRLFVTRIM QEFESDTFFP EIDLGKYKLL PEYPGVLSEV QEEKGIKYKF EVYEKDD</p>
Gene ID	1719
Gene Symbol	DHFR
Species	Mouse
Details of Functionality	Specific activity is > 2000 pmol/min/ug, and is defined as the amount of enzyme that converts 1.0 pmole of dihydrofolic acid to tetrahydrofolic acid per minute at pH 6.5 at 25C.
Endotoxin Note	< 1 EU per 1ug of protein (determined by LAL method)

Product Application Details	
Applications	SDS-Page, Enzyme Activity
Recommended Dilutions	SDS-Page, Enzyme Activity

Images

SDS-Page: Recombinant Mouse Dihydrofolate Reductase/DHFR His Protein [NBP1-72281] - 3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.





Procedures

SDS-Page protocol for Dihydrofolate Reductase/DHFR Biologically Active Protein (NBP1-72281)

SDS-PAGE (NBP1-72281):

1. Prepare a 1.55 ml assay buffer. The final concentrations are 50 mM potassium phosphate, 0.072 mM dihydrofolic acid, 0.1 mM beta-nicotinamide dinucleotide phosphate and 0.003 % (w/v) bovine serum albumin. <p/>
2. Add 50 ul of recombinant DHFR protein in various concentrations (2 ug, 5 ug) in assay buffer. <p/>
3. Mix by inversion and record the decrease at A340nm for 5 minutes.



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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