

Product Datasheet

Recombinant Human Dihydrofolate Reductase/DHFR His Protein NBP1-30207

Unit Size: 0.1 mg

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

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NBP1-30207**Recombinant Human Dihydrofolate Reductase/DHFR His Protein**

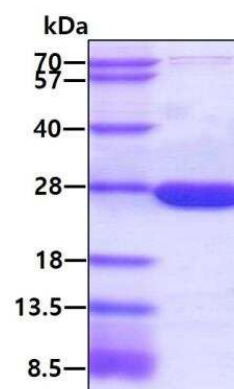
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>95%, by SDS-PAGE
Buffer	20 mM Tris-HCl buffer (pH 8.0), 0.1 M NaCl, 2 mM DTT, 30% glycerol
Target Molecular Weight	23.6 kDa

Product Description	
Description	<p>A bioactive recombinant protein with a N-Terminal His-tag and corresponding to the amino acids 1-187 of Human Dihydrofolate Reductase/DHFR</p> <p>Source: <i>E.coli</i></p> <p>Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MVGSLNCIVA VSQNMGIGKN GDLPWPPLRN EFRYFQRM TT TSSVEGKQNL VIMGKKTWFS IPEKNRPLKG RINLVLSREL KEPPQGAHFL SRSLDDALKL TEQPELANKV DMVWIVGGSS VYKEAMNHPG HLKLFVTRIM QDFESDTFFP EIDLEKYKLL PEYPGVLSDV QEEKG IYKF EYKEND</p>
Gene ID	1719
Gene Symbol	DHFR
Species	Human
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.

Product Application Details	
Applications	SDS-Page, Enzyme Activity
Recommended Dilutions	SDS-Page, Enzyme Activity
Application Notes	Use in Functional Assay reported in scientific literature (PMID: 23707606)

Images

SDS-Page: Recombinant Human Dihydrofolate Reductase/DHFR Protein [NBP1-30207] - 3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain



Publications

Whitsett J, Rangel Filho A, Sethumadhavan S et al. Human endothelial dihydrofolate reductase low activity limits vascular tetrahydrobiopterin recycling. Free Radic Biol Med 2013-05-22 [PMID: 23707606] (Func)



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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 2 years from date of receipt.

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