

Product datasheet for PH308452

DHFRL1 (DHFR2) (NM_176815) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DHFRL1 MS Standard C13 and N15-labeled recombinant protein (NP_789785)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208452
Predicted MW:	21.6 kDa
Protein Sequence:	>RC208452 protein sequence Red=Cloning site Green=Tags(s) MFLLLNCIIVAVSQNMGIGKNGDLPRPPLRNEFRYFQRM TTTSSVEGKQNLVIMGRKTWFSIPEKNRPLKD RINLVLSRELKEPPQGAHFLARSLDDALKLTERPELANKVDMIWIVGGSSVYKEAMNHLGHLKLFVTRIM QDFESDTFFSEIDLEKYKLLPEYPGVLSDVQEGKHIKYKFEVCEKDD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_789785
RefSeq Size:	3934
RefSeq ORF:	561
Synonyms:	DHFRL1; DHFRP4
Locus ID:	200895
UniProt ID:	Q86XF0



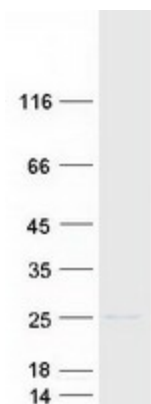
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Cytogenetics: 3q11.2

Summary: Key enzyme in folate metabolism. Contributes to the de novo mitochondrial thymidylate biosynthesis pathway. Required to prevent uracil accumulation in mtDNA. Binds its own mRNA and that of DHFR.[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified DHFR2 protein (Cat# [TP308452]). The protein was produced from HEK293T cells transfected with DHFR2 cDNA clone (Cat# [RC208452]) using MegaTran 2.0 (Cat# [TT210002]).