

Product datasheet for PH305622

ECH1 (NM_001398) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ECH1 MS Standard C13 and N15-labeled recombinant protein (NP_001389)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205622
Predicted MW:	35.8 kDa
Protein Sequence:	>RC205622 protein sequence Red =Cloning site Green =Tags(s) MAAGIVASRRLLRDLLTRRLTGSNYPGLSISLRLTGSSAQEAASGVALGEAPDHSYESLRVTSQAKHVLHV QLNRPNKRNAMNKVFWREMVCFNKISRADCRAVVISGAGKMFTAGIDLMDMASDILQPKGDDVARISW YLRDIIITRYQETFNVIERC PKPVI AAVHGGCIGGGVDLVTACDIRYCAQDAFFQVKEVDVGLAADVGT LQ RLPKVIGNQSLVNELAFTARKMMADEALGSGLVSRVFPDKEVMLDAALALAAEISSKSPVAVQSTKVNLL YSRDHVAESLNYVASWNMSMLQTQDLVKSQVATTENKELKTVTF SKL TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_001389
RefSeq Size:	1276
RefSeq ORF:	984
Synonyms:	HPXEL
Locus ID:	1891



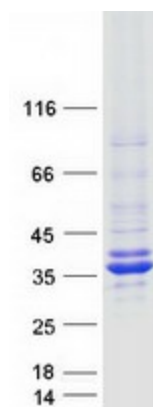
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UniProt ID: [Q13011](#), [A0A384MR44](#)

Cytogenetics: 19q13.2

Summary: This gene encodes a member of the hydratase/isomerase superfamily. The gene product shows high sequence similarity to enoyl-coenzyme A (CoA) hydratases of several species, particularly within a conserved domain characteristic of these proteins. The encoded protein, which contains a C-terminal peroxisomal targeting sequence, localizes to the peroxisome. The rat ortholog, which localizes to the matrix of both the peroxisome and mitochondria, can isomerize 3-trans,5-cis-dienoyl-CoA to 2-trans,4-trans-dienoyl-CoA, indicating that it is a delta3,5-delta2,4-dienoyl-CoA isomerase. This enzyme functions in the auxiliary step of the fatty acid beta-oxidation pathway. Expression of the rat gene is induced by peroxisome proliferators. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified ECH1 protein (Cat# [TP305622]). The protein was produced from HEK293T cells transfected with ECH1 cDNA clone (Cat# [RC205622]) using MegaTran 2.0 (Cat# [TT210002]).