

## Product datasheet for TP301752

### HADHSC (HADH) (NM\_005327) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human hydroxyacyl-Coenzyme A dehydrogenase (HADH), nuclear gene encoding mitochondrial protein, 20 µg |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC201752 protein sequence<br>Red=Cloning site Green=Tags(s)   |

MAFVTRQFMRSVSSSSTASASAKKIIVKHVTVIGGGLMGAGIAQVAAATGHTVWLVDQTEDILAKSKKGI  
EESLRKVAKKKFAENPKAGDEFVEKTLSTIATSTDAASVHSTDLVVEAIVENLKVKNELFKRLDKFAAE  
HTIFASNTSSLQITSIANATTRQDRFAGLHFFNPVPMKLVKVIKTPMTSQKTFESLVDFSKALGKHPVS  
CKDTPGFIVNRLLPYLMEAIRLYERGDASKEDIDTAMKLGAGYPMGPFELLDYVGLDTTKFIVDGMWHEM  
DAENPLHQPSPLNKLVAENKFGKKTGEGFYKYK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 32.8 kDa   |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:        | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Preparation:   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                     |
| Note:          | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage:       | Store at -80°C.  |
| Stability:     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.        |
| RefSeq:        | <a href="#">NP_005318</a>  |
| Locus ID:      | 3033   |



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UniProt ID: [Q16836](#), [A0A140VK76](#)

RefSeq Size: 1986

Cytogenetics: 4q25

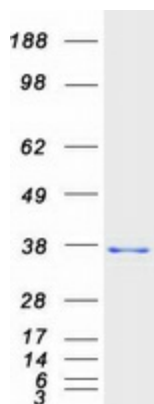
RefSeq ORF: 942

Synonyms: HAD; HADH1; HADHSC; HCDH; HHF4; MSCHAD; SCHAD

**Summary:** This gene is a member of the 3-hydroxyacyl-CoA dehydrogenase gene family. The encoded protein functions in the mitochondrial matrix to catalyze the oxidation of straight-chain 3-hydroxyacyl-CoAs as part of the beta-oxidation pathway. Its enzymatic activity is highest with medium-chain-length fatty acids. Mutations in this gene cause one form of familial hyperinsulinemic hypoglycemia. The human genome contains a related pseudogene of this gene on chromosome 15. [provided by RefSeq, May 2010]

**Protein Pathways:** Butanoate metabolism, Fatty acid elongation in mitochondria, Fatty acid metabolism, Lysine degradation, Metabolic pathways, Tryptophan metabolism, Valine, leucine and isoleucine degradation

### Product images:



Coomassie blue staining of purified HADH protein (Cat# TP301752). The protein was produced from HEK293T cells transfected with HADH cDNA clone (Cat# [RC201752]) using MegaTran 2.0 (Cat# [TT210002]).