

Recombinant Full Length Human DHTKD1 Protein, GST-tagged

Cat. No. DHTKD1-2550HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human DHTKD1 full-length ORF (NP_061176.3, 1 a.a. - 919 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	919 amino acids
Description	This gene encodes a component of a mitochondrial 2-oxoglutarate-dehydrogenase-complex-like protein involved in the degradation pathways of several amino acids, including lysine. Mutations in this gene are associated with 2-aminoadipic 2-oxoadipic aciduria and Charcot-Marie-Tooth Disease Type 2Q. [provided by RefSeq, May 2013]
Molecular Mass	129.4 kDa
AA Sequence	MASATAAAAARRGLGRALPLLWRGYQTERGVYGYRPRKPESREPQGALERPPVDH GLARLVTVYCEHGHKAAKINPLFTGQALLENVPEIQALVQTLQGPFH TAGLLNMGKE EASLEEVLVYLNQIYCGQISIETSQLQSQDEKDWFAKRFEELQKETFTTEERKHL SKL MLESQEFDHFLATKFSTVKRYGGEGAESMMGFFHELLKMSAYSGITDVIIGMPHRG RLNLLTGLLQFPPELMFRKMRGLSEFPENFSATGDVLSHLTSSVDLYFGAHHPLHVT MLPNPSHLEAVNPVAVGKTRGRQQSRQDGDYSPDNSAQPGDRVICLQVHG DASFC GGGIVPETFTLSNLPHFRIGGSVHLIVNQLGYTTTPAERGRSSLYCSDIGKLVGCAI IH VNGDSPEEVVRATRLAFEYQRQFRKDVIIDLLCYRQWGHNELDEPFYTNPIMYKIIRA RKSIPDTYAEHLIAGGLMTQEEVSEIKSSYYAKLNDHLNMAHYRPPALNLQAHWQG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LAQPEAQITTWSTGVPLDLLRFVGMKSVEVPRELQMHSLLKTHVQSRMEKMMMDGI
 KLDWATAEALALGSLLAQGFNVRLSGQDVGRGTFSSQRHAIVVCQETDDTYIPLNHM
 DPNQKGFLEVSNSPLSEEAVLGFYEGMSIESPKLLPLWEAQFGDFNNGAQIIFDTFIS
 GGEAKWLLQSGIVILLPHGYDGAGPDHSSCRIERFLQMCDSAEEGVDGDTVNMFVV
 HPTTPAQYFHLLRRQMVRNFRKPLIVASPKMLLRLPAAVSTLQEMAPGTTFNPVIGD
 SSVDPKKVKTLLVFCSGKHFYSLVKQRESLGAKKHDFAIIRVEELCPFPLDSLQEQEMS
 KYKHVKDHIWSQEEPQNMGPWSFVSPRFEKQLACKLRLVGRPPLPVPVAVGIGTVHL
 HQHEDILAKTFA

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

DHTKD1 dehydrogenase E1 and transketolase domain containing 1 [Homo sapiens]

Official Symbol

DHTKD1

Synonyms

DHTKD1; dehydrogenase E1 and transketolase domain containing 1; probable 2-oxoglutarate dehydrogenase E1 component DHKTD1, mitochondrial; dehydrogenase E1 and transketolase domain-containing protein 1; MGC3090; KIAA1630; DKFZp762M115;

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Gene ID	55526
mRNA Refseq	NM_018706
Protein Refseq	NP_061176
MIM	614984
UniProt ID	Q96HY7

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