

Recombinant Human OGDH, GST-tagged

Cat. No. OGDH-1445H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human OGDH protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	674-1023aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	OGDH oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide) [Homo sapiens]
Official Symbol	OGDH
Synonyms	OGDH; oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide); 2-oxoglutarate dehydrogenase, mitochondrial; E1k; OGDC-E1; oxoglutarate decarboxylase; 2-oxoglutarate dehydrogenase complex component E1; oxoglutarate dehydrogenase

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	(succinyl-transferring); OGDC; AKGDH;
Gene ID	4967
mRNA Refseq	NM_001003941
Protein Refseq	NP_001003941
MIM	613022
UniProt ID	Q02218
Chromosome Location	7p13-p11.2
Pathway	2-ketoglutarate dehydrogenase complex, organism-specific biosystem; 2-ketoglutarate dehydrogenase complex, conserved biosystem; Citrate cycle (TCA cycle), organism-specific biosystem; Citrate cycle (TCA cycle), conserved biosystem; Citrate cycle, second carbon oxidation, 2-oxoglutarate =>oxaloacetate, organism-specific biosystem; Citrate cycle, second carbon oxidation, 2-oxoglutarate =>
Function	oxidoreductase activity; oxoglutarate dehydrogenase (NAD+) activity; oxoglutarate dehydrogenase (succinyl-transferring) activity; oxoglutarate dehydrogenase (succinyl-transferring) activity; thiamine pyrophosphate binding;