

Recombinant Mouse Bdh2 Protein, Myc/DDK-tagged

Cat. No. Bdh2-1854M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length 3-hydroxybutyrate dehydrogenase, type 2 (Bdh2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Dehydrogenase that mediates the formation of 2,5-dihydroxybenzoic acid (2,5-DHBA), a siderophore that shares structural similarities with bacterial enterobactin and associates with LCN2, thereby playing a key role in iron assimilation and homeostasis. Plays a role in susceptibility to bacterial infection by providing an assimilable source of iron that is exploited by pathogenic bacteria. Also acts as a 3-hydroxybutyrate dehydrogenase.
Molecular Mass	26.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Bdh2 3-hydroxybutyrate dehydrogenase, type 2 [*Mus musculus* (house mouse)]

Official Symbol Bdh2

Synonyms BDH2; 3-hydroxybutyrate dehydrogenase, type 2; 3-hydroxybutyrate dehydrogenase type 2; R-beta-hydroxybutyrate dehydrogenase; dehydrogenase/reductase SDR family member 6; dehydrogenase/reductase (SDR family) member 6; Dhhs6; 1810026B04Rik

Gene ID 69772

mRNA Refseq NM_027208

Protein Refseq NP_081484

UniProt ID Q8JZV9

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