

BCKDHA Knockout cell line (HEK293)

Catalog Number: KO38838

Product Information

Product Name	BCKDHA Knockout cell line (HEK293)
specification	1*10 ⁶
Storage and transportation	Dry ice preservation/T25 live cell transportation.
Cell morphology	Epithelioid, adherent cell
Passage ratio	1:3~1:6
species	Human
Gene	BCKDHA
Gene ID	593
Build method	Electric rotation method / virus method
Mycoplasma testing	Negative
Cultivation system	90%DMEM+10% FBS
Parental Cell Line	HEK293
Quality Control	Genotype: BCKDHA Knockout cell line (HEK293) >95% viability before freezing. All cells were tested and found to be free of bacterial, viruses, mycoplasma and other toxins.

Gene Information

Gene Official Full Name	branched chain keto acid dehydrogenase E1 subunit alpha provided by HGNC
Also known as	MSU; MSUD1; OVD1A; MSUD1A; BCKDE1A
Gene Description	The branched-chain alpha-keto acid (BCAA) dehydrogenase (BCKD) complex is an inner mitochondrial enzyme complex that catalyzes the second major step in the catabolism of the branched-chain amino acids leucine, isoleucine, and valine. The BCKD complex consists of three catalytic components: a heterotetrameric (alpha2-beta2) branched-chain alpha-keto acid decarboxylase (E1), a dihydrolipoyl transacylase (E2), and a dihydrolipoamide dehydrogenase (E3). This gene encodes the alpha subunit of the decarboxylase (E1) component. Mutations in this gene result in maple syrup urine disease, type 1A. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009]
Expression	Ubiquitous expression in heart (RPKM 29.4), kidney (RPKM 27.9) and 25 other tissues See more