

## Branched Chain keto Acid Dehydrogenase E1 Alpha Human Recombi-

<b>Item Number</b>	rAP-0977
<b>Synonyms</b>	2-oxoisovalerate dehydrogenase subunit alpha mitochondrial, Branched-chain alpha-keto acid dehydrogenase E1 component alpha chain, BCKDE1A, BCKDH E1-alpha, BCKDHA, MSU, MSUD1, OVD1A, FLJ45695.
<b>Description</b>	BCKDHA Human Recombinant fused with a 21 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 421 amino acids (46-445 a.a.) and having a molecular mass of 47.8kDa. The BCKDHA is purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	P12694
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSSLVPRGSH MSSLDDKPQF PGASAEFIDK LEFIQPNVIS GIPIYRVMDR QGQI-INPSED PHLPKEKVLK LYKSMTLLNT MDRILYESQR QGRISFYMTN YGEEGTHVGS AAALDNTDLV FGQYREAGVL MYRDYPLELF MAQCYGNISD LGKGRQMPVH YGCKERHFVT ISSPLATQIP QAVGAAYAAK RANANRVVIC YFGEGAASEG DAHAGFNFAA TLECPPIFFC RNNGYAISTP TSEQYR-GDGI AARGPGYGIM SIRVDGNDVF AVYNATKEAR RRAVAENQPF LIEAMTYRIG HHSTSDSSA
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	The BCKDHA solution (0.25 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 5mM DTT, 30% glycerol and 0.2M NaCl. Greater than 80.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**