

Product:	D-3-Hydroxybutyrate dehydrogenase (HBDH)
Product code:	rHBDH
E.C. number:	1.1.1.30
CAS number:	9028-38-0
Systematic name:	NAD ⁺ oxidoreductase
Source:	Recombinant HBDH (<i>Alcaligenes faecalis</i>) expressed in <i>E. Coli</i>
Form:	A freeze-dried material
Storage conditions:	Store desiccated at -15°C or below. Allow to come to room temperature before opening. Before returning to storage, re-desiccate under vacuum for a minimum of four hours. Re-seal before returning to -15°C or below.
Unit Definition:	That amount of enzyme causing the reduction of one micromole of NAD per minute at 37°C and pH 8.5
Activity:	Not less than 400U/mg material
Purity:	>90% by SDS-Page
Buffer:	Freeze-dried in 0.02M Tris/HCl pH 8.50 buffer
Solubility:	Dissolves readily at 5mg/ml in 0.1M Tris/HCl pH 8.50 buffer, to give a clear solution.

The product is supplied for in vitro use only. To be used for research and/or further manufacturing purposes and is not to be used in humans or animals.