

Recombinant Mouse Ugdh Protein, Myc/DDK-tagged

Cat. No. Ugdh-6827M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length UDP-glucose dehydrogenase (Ugdh), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the formation of UDP-alpha-D-glucuronate, a constituent of complex glycosaminoglycans. Required for the biosynthesis of chondroitin sulfate and heparan sulfate. Required for embryonic development via its role in the biosynthesis of glycosaminoglycans. Required for proper brain and neuronal development.
Molecular Mass	54.8 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Ugdh UDP-glucose dehydrogenase [Mus musculus (house mouse)]
Official Symbol	Ugdh
Synonyms	UGDH; UDP-glucose dehydrogenase; UDP-glucose 6-dehydrogenase; UDP-GlcDH; UDP-Glc dehydrogenase; Udpgh
Gene ID	22235
mRNA Refseq	NM_009466
Protein Refseq	NP_033492
UniProt ID	O70475

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