

Hyaluronan Synthase (PmHAS)

Product Information

Cat#	DIA-749
Descriptions	Hyaluronan synthase (PmHAS) from Pasteurella multocida is a processive membrane-bound synthase that alternately transfers glucuronic acid and N-acetylglucosamine to assemble high-molecular-weight hyaluronic acid chains, and supports industrial-scale production of pharmaceutical-grade hyaluronan.
Applications	Hyaluronan synthase (PmHAS) is widely applied in hyaluronic acid synthesis detection kits and pharmaceutical-grade hyaluronan production assay reagent development.
CAS No.	24-1-212
Enzyme Commission Number	EC 2.4.1.212
Enzyme Source	E.coli recombinant Hyaluronan synthase from Pasteurella multocida.
Reaction	UDP-GlcNAc + UDP-GlcA = (GlcNAcBeta1.4GlcA) _n
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 μmol Hyaluronan from UDP-GlcNAc and UDP-GlcA per minute at 37°C.