

Inorganic Pyrophosphatase (PmPPA)

Product Information

Cat#	DIA-753
Descriptions	Inorganic pyrophosphatase (PmPPA) from Pasteurella multocida catalyzes the hydrolysis of inorganic pyrophosphate into two orthophosphate molecules, drives thermodynamically unfavorable biosynthetic reactions forward, and is commonly added to coupled enzymatic reaction systems.
Applications	Inorganic pyrophosphatase (PmPPA) is widely applied in coupled enzymatic reaction detection kits and biosynthetic reaction efficiency enhancement reagent development.
CAS No.	36-1-12
Enzyme Commission Number	EC 3.6.1.1
Enzyme Source	E.coli recombinant inorganic pyrophosphatase from Pasteurella multocida.
Reaction	$P_2O_7^{4-} + H_2O = 2HPO_4^{2-}$
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 Mumo inorganic phosphate from inorganic pyrophosphate per minute at 37°C.