

Wheat Germ Acid Phosphatase, WGAP

Catalog No.	CSI13774	Quantity:	1 gram
Alternate Names:	Purple acid phosphatase, WGAP		
Description:	Wheat germ acid phosphatase (WGAP) is a preparation of partially purified protein commonly used in laboratory settings for non-specific enzymatic dephosphorylation. It is has been reported to contain multiple phosphatase isozymes, including three purple acid phosphatases and heat shock proteins, beta-amylases, glucoseribitol dehydrogenases, enolases, and an aminopeptidase. [Moorman VR, PLoS One. 2021 Mar 22;16(3)]		
EC Number:	3.1.3.2		
Source:	Wheat germ <i>Triticum aestivum</i>		
Appearance:	Light purple powder		
Activity:	≤ 1 U/mg solid		
Unit Definition:	One unit will catalyze the hydrolysis of one micromole of p-nitrophenylphosphate to p-nitrophenol and phosphate per minute at pH 4.8 and 37°C		
Specific Activity:	≤ 1.1 U/mg protein		
Protein:	90% (biuret)		
Formulation:	Lyophilized		
Reconstitution:	Reconstitute quantity for immediate use, at 1-10 mg/ml in deionized water or saline.		
Storage & Stability:	Store lyophilized protein at -20°C to -80°C for at least 1 year. Avoid freeze/thaw of the enzyme solution.		

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