

## Product Data Sheet

## Phenylalanine Ammonia-Lyase

Catalog #	Source	Reactivity	Applications
CZM1089	E.coli		
Description	Recombinant Phenylalanine Ammonia-Lyase from E.coli		
Specificity	>1 U/mg protein, >0.1 U/mg powder		
Form	White lyophilized powder		
Alternative Names	EC 4.3.1.24; phenylalanine deaminase; phenylalanine ammonium-lyase; PAL; L-phenylalanine ammonia-lyase; Phe ammonia-lyase		
CAS Number	9024-28-6		
Molecular Weight			
Purity	>90%		
Unit Definition	One unit is defined as the amount of enzyme will deaminate 1 micromole L-phenylalanine to trans-cinnamate and NH <sub>3</sub> per min at pH 8.5, 30 ° C.		
Storage/Stability	Shipped at 4 ° C. Store at -20 ° C for 2 years.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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