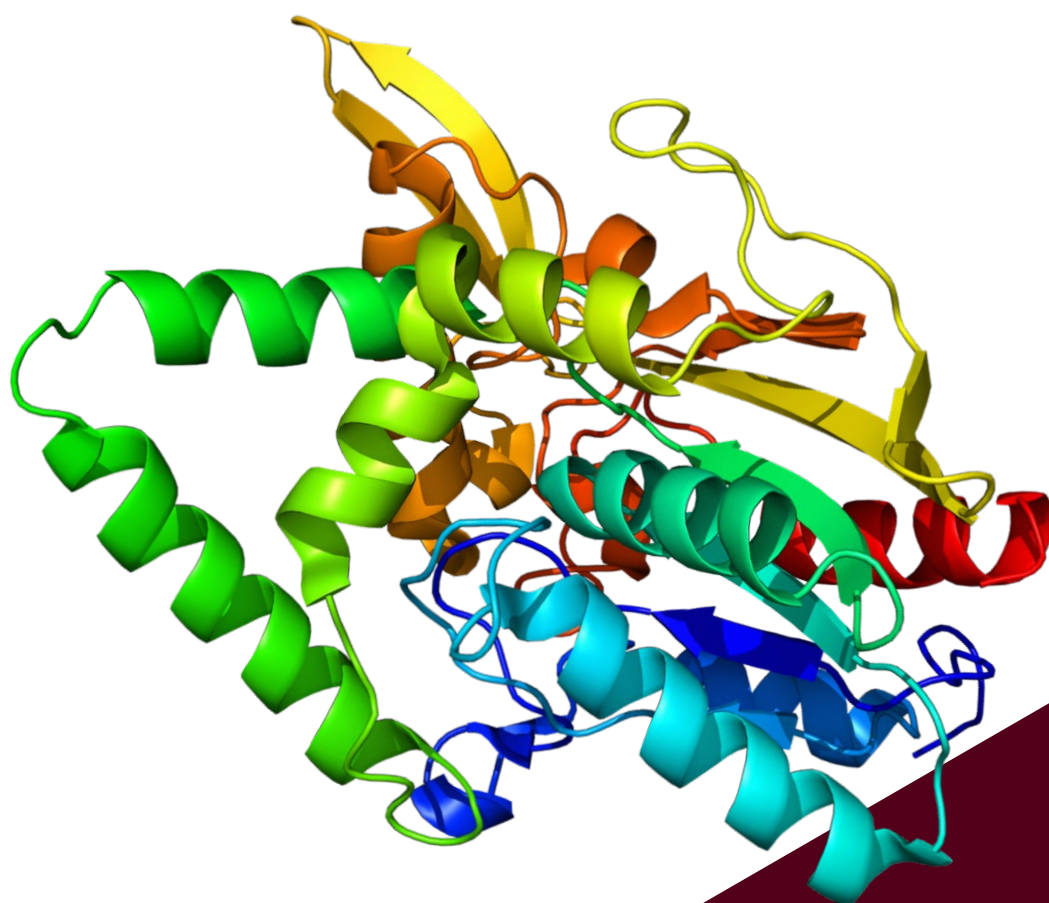


富士フイルム 和光純薬株式会社

Diagnostic Enzymes



Nagase Diagnostics

ナガセダイアグノスティックス株式会社

**Enzyme-Driven Solutions:
Your Partner in Diagnostics and Beyond**

Diagnostic Enzymes

Enzymes	Abbreviation	Manufacturer Code	Origin	Package Size
Acyl-CoA Oxidase	ACOD	T-17	<i>Arthrobacter</i> sp.	5,000 U
Acyl-CoA Synthetase	ACS	T-16	<i>Pseudomonas fragi</i>	500 U
ADP-dependent Hexokinase	ADP-HKP II	T-92	<i>Pyrococcus furiosus</i>	5,000 U
ADP-dependent Hexokinase	ADP-HKT II	T-93	<i>Thermococcus litoralis</i>	2,000 U
Alkaline Phosphatase	ALP	T-08	<i>Escherichia coli</i>	5,000 U
1,5-Anhydroglucitol-6-phosphate Dehydrogenase	AG6PDH II	T-95	<i>Escherichia coli</i>	2,000 U
Bilirubin Oxidase	BOD II	T-188	<i>Bacillus subtilis</i>	2,000 U
Cholesterol Esterase	CEBP II	T-243	Microorganism	5,000 U
Choline Oxidase	COD III	T-226	Microorganism	1,000 U
Diaphorase (NADH)	DI II	T-227	<i>Bacillus megaterium</i>	10,000 U
Fructosylamine oxidase	FOD III	T-191	Microorganism	2,000 U
Glucose-6-phosphate Dehydrogenase	G6PDH II	T-51	<i>Bacillus</i> sp.	10,000 U
Glycerol-3-phosphate Dehydrogenase	G3PDH II	T-207	<i>Saccharomyces cerevisiae</i>	5,000 U
Glucose Dehydrogenase (FAD-dependent)	FAD-GDH II	T-228	Microorganism	50,000 U
Glutamine Synthetase	GS II	T-136	<i>Bacillus</i> sp.	2,000 U
Glycerol Kinase	GKZ	T-64	<i>Flavobacterium meningosepticum</i>	10,000 U
Glycerol Kinase	GK III	T-223	Microorganism	10,000 U
L- α -Glycerophosphate Oxidase	GPOM	T-107	<i>Streptococcus</i> sp.	10,000 U
L- α -Glycerophosphate Oxidase	GPOSP	T-60	<i>Streptococcus</i> sp.	10,000 U
Hexokinase	HK II	T-50	<i>Bacillus</i> sp.	20,000 U
Hexokinase	HK III	T-141	<i>Rhodothermus obamensis</i>	20,000 U
3 α -Hydroxysteroid Dehydrogenase	3 α -HSD II	T-58	<i>Pseudomonas</i> sp.	1,000 U
Monoglyceride Lipase	MGLP II	T-117	<i>Bacillus</i> sp.	1,000 U
NAD Synthetase	NADS II	T-67	<i>Geobacillus stearothermophilus</i>	1,000 U
Oxaloacetate Decarboxylase	OAC II	T-209	<i>Pseudomonas</i> sp.	50,000 U
Phosphofructokinase	PFKW II	T-142	<i>Geobacillus stearothermophilus</i>	20,000 U
Phosphoglucose Isomerase	PGI II	T-120	<i>Geobacillus stearothermophilus</i>	25,000 U
Phospholipase A ₂	PLA ₂ II L	T-194	<i>Streptomyces violaceoruber</i>	1,000 U
Phospholipase C	PLC	T-11	<i>Bacillus cereus</i>	5,000 U
Purine nucleoside Phosphorylase	PNPL II	T-69	<i>Bacillus</i> sp.	1,000 U
Sarcosine Oxidase	SOXG	T-46	<i>Bacillus</i> sp.	5,000 U
Sphingomyelinase	SPC	T-30	<i>Streptomyces</i> sp.	10,000 U
Uricase	UODN II	T-129	<i>Arthrobacter globiformis</i>	5,000 U
Xanthine Dehydrogenase	XDH II	T-134	Microorganism	1,000 U

Human Enzymes

(For calibrator-and control serum-use)

Human Enzymes	Abbreviation	Manufacturer Code	Origin	Package Size
Alanine aminotransferase	HC-ALT II (GPT)	T-71	Human Liver (recombinant)	100 U
Alkaline Phosphatase	HC-ALP	T-73	Human Liver (recombinant)	100 U
α -Amylase (Pancreas type + Saliva type)	HC-AMY II	T-133	Human Pancreas (recombinant) & Human Saliva	200 U
α -Amylase (Pancreas type)	HP-AMY II	T-110	Human Pancreas (recombinant)	200 U
Aspartate aminotransferase	HC-AST II (GOT)	T-70	Human Liver (recombinant)	100 U
Creatine Kinase	HC-CK II	T-74	Human Muscle (recombinant)	200 U
γ -Glutamyltransferase	HC-GTP	T-72	Human Liver (recombinant)	200 U
Lactate Dehydrogenase	HC-LD II	T-208	Human RBC (recombinant)	200 U
Pancreatic Lipase	HC-LP	T-77	Human Pancreas (recombinant)	200 U

Coenzymes

Coenzymes	Abbreviation	Manufacturer Code	Origin	Package Size
Deamido-NAD	—	T-131	—	200 mg
Palmitoyl-CoA	—	T-132	—	20 mg

Application for Biochemical Measurement

Application	Enzyme 1	Enzyme 2	Enzyme 3	Enzyme 4
Carbohydrate metabolism				
1,5-anhydro-D-glucitol(1,5-AG)	ADP-HKT II (T-93)	AG6PDH II (T-95)		
Glucose	HK II (T-50) HK III (T-141)	G6PDH II (T-51)		
Fructose-6-phosphate	PGI II (T-120) PFKW II (T-142)	G6PDH II (T-51) ADP-HKT II (T-93)	G6PDH II (T-51)	
Hemoglobin A1c	(Protease)	FOD III (T-191)		
Aldolase	G3PDH II (T-207)			
Self Monitoring of Blood Glucose				
Glucose	FAD-GDH II (T-228)			
Lipid metabolism				
Cholesterol	CEBP II (T-243)	(Cholesterol Oxidase)		
Triglyceride	LP (T-01) ※販売停止中 LPM (T-116) ※販売停止中 MGLP II (T-117)	GKZ (T-64) GK III (T-223)	GPOSP (T-60) GPOM (T-107) G3PDH II (T-207)	DI II (T-227)
Non-Esterified Fatty Acid (NEFA)	ACS (T-16)	ACOD (T-17)		
Phospholipids	(Phospholipase D)	COD III (T-226)		
Phosphatidylcholine	PLC (T-11)	ALP (T-08)	COD III (T-226)	
Sphingomyelin	SPC (T-30)	ALP (T-08)	COD III (T-226)	
Kidney function				
Uric acid	UODN II (T-129)			
Creatinine	(Creatininase)	(Creatinase)	SOXG (T-46)	
Urea nitrogen	(Urease)	NADS II (T-67)		
Liver function				
Total bilirubin	BOD II (T-188)			
Direct bilirubin	BOD II (T-188)			
AST(GOT)	OAC II (T-209)	(Pyruvate Oxidase)		
Total bile acid	3α-HSD II (T-58)			
Ammonia	NADS II (T-67)			
Other biochemical test				
Pancreatic lipase	MGLP II (T-117)	GKZ (T-64) GK III (T-223)	GPOSP (T-60) GPOM (T-107)	(Colipase)
Inorganic phosphate	PNPL II (T-69)	XDH II (T-134)		
Creatine kinase activity	HK II (T-50)	G6PDH II (T-51)		
Determination : General-purpose enzyme for biochemical measurement				
ADP	ADP-HKP II (T-92)	G6PDH II (T-51)		
reduced NAD	DI II (T-227)			
Elimination : General-purpose enzyme for biochemical measurement				
Ammonia	GS II (T-136)			
Cycling reaction : General-purpose enzyme for biochemical measurement				
NAD cycling	3α-HSD II (T-58)	DI II (T-227)		

製造販売元

 **Nagase Diagnostics**

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2026年1月