

**Proteins used as molecular-weight standards**

Protein	Molecular weight		
	Relative	Calculated	Native
Thyroglobulin	340,000		660,000/19S
Myosin	205,000		470,000
	21,000		
	19,000		
	17,000		
$\alpha_2$ -Macroglobulin	170,000	160,798	820,000/19S
$\beta$ -Galactosidase	116,000	116,635	540,000
Phosphorylase-b	94,000		
Phosphorylase-a	92,500		370,000
Transferrin, human	80,000	75,190	80,000
Serum albumin, bovine	68,000	66,322	68,000
Catalase, bovine liver	60,000	57,592	230,000
Pyruvate kinase, muscle	57,000		
IgG			
Heavy chain	55,000		150,000
Light chain	22,000		
Glutamate dehydrogenase	53,000	55,567	
Leucine aminopeptidase	53,000	51,698	300,000
Fumerase	49,000		200,000
Ovalbumin	45,000	42,755	
Alcohol dehydrogenase, liver	41,000	39,572	80,000
Aldolase, rabbit muscle	40,000	39,216	160,000
Creatine kinase, rabbit muscle	40,000	43,117	80,000
Alcohol dehydrogenase, yeast	36,000	36,735	140,000
Glyceraldehyde phosphate dehydrogenase	36,000	35,880	
Lactate dehydrogenase, pig	36,000	36,481	140,000
Tropomyosin, rabbit	36,000	32,840	65,000
Pepsinogen, pig	35,000	39,538	
Carbonic anhydrase	29,000	29,343	180,000
Chymotrypsinogen a, bovine	24,000	25,669	
Trypsinogen, bovine	24,000	23,996	
Trypsin inhibitor, soybean	20,100	20,097	
Apoferritin	18,500		440,000
$\beta$ -Lactoglobulin, bovine	18,000	18,283	35,000
Myoglobin	17,000	17,080	
Hemoglobin	16,000		64,000
Lysozyme, chicken	14,300	14,296	
$\alpha$ -Lacalbumin, bovine	14,200	14,188	
Cytochrome <i>c</i>	12,400		
Aprotinin	6,500		

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