

SELM Protein, Human

Cat. No.:	HY-P71603
Synonyms:	SELENOM; SELM; Selenoprotein M; SelM
Species:	Human
Source:	E. coli
Accession:	Q8WWX9 (24A-145L)
Gene ID:	140606
Molecular Weight:	Approximately 17 kDa. The reducing (R) protein migrates as 17 kDa in SDS-PAGE may be due to relative charge.

PROPERTIES

AA Sequence	A T A Y R P D W N R L S G L T R A R V E T C G G S Q L N R L K E V K A F V T Q D I P F Y H N L V M K H L P G A D P E L V L L G R R Y E E L E R I P L S E M T R E E I N A L V Q E L G F Y R K A A P D A Q V P P E Y V W A P A K P P E E T S D H A D L
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>SELM Protein takes center stage as a potential thiol-disulfide oxidoreductase, playing a pivotal role in the intricate process of disulfide bond formation. This attribution highlights SELM Protein's significance in cellular mechanisms, actively contributing to the nuanced orchestration of molecular interactions. Such functional insights position SELM Protein as a key molecular actor, revealing its involvement in the complex biochemical pathways that govern the establishment of crucial disulfide linkages within the cellular milieu.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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