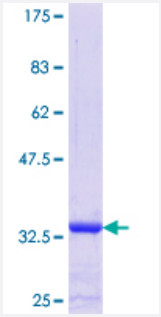
LSM4 (Human) Recombinant Protein (Q01)

Catalog # H00025804-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human LSM4 partial ORF (NP_036453.1, 1 a.a. - 73 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MLPLSLLKTAQNHPMLVELKNGETYNGHLVSCDNWMNINLREVICTSRDGDKFWRMPECYIRGSTIKYLRIPD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	33.77
Interspecies Antigen Sequence	Mouse (96); Rat (96)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — LSM4

Entrez GeneID	25804
GeneBank Accession#	NM_012321
Protein Accession#	NP_036453.1
Gene Name	LSM4
Gene Alias	YER112W
Gene Description	LSM4 homolog, U6 small nuclear RNA associated (S. cerevisiae)
Omim ID	607284
Gene Ontology	Hyperlink
Gene Summary	Sm-like proteins were identified in a variety of organisms based on sequence homology with the Sm protein family (see SNRPD2; MIM 601061). Sm-like proteins contain the Sm sequence motif, which consists of 2 regions separated by a linker of variable length that folds as a loop. The Sm-like proteins are thought to form a stable heteromer present in tri-snRNP particles, which are important for pre-mRNA splicing.[supplied by OMIM
Other Designations	U6 snRNA-associated Sm-like protein|U6 snRNA-associated Sm-like protein 4

Pathway

- RNA degradation

Disease

- Celiac Disease
- Genetic Predisposition to Disease