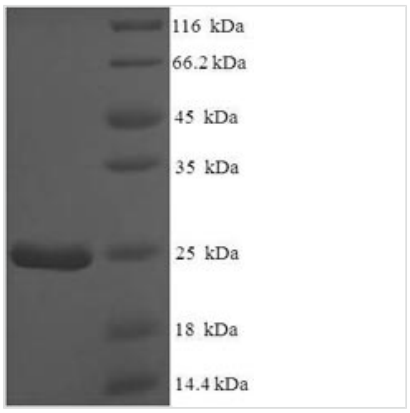
Recombinant Mouse Normal mucosa of esophagus-specific gene 1 protein (Nmes1)

Product Code	CSB-EP770515MO
Abbreviation	Recombinant Mouse Nmes1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q810Q5
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MGVFQILMKNKELIPLAFFISVAATGATSFALYALKKTDVVIDRKRNPEPWEMV DPTQPQKLITINQQWKPVEELQKVRRATR
Research Area	Others
Source	E.coli
Target Names	Nmes1
Expression Region	1-83aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	25.6kDa
Protein Length	Full Length

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Amino acids 1-83 form the expressed segment for recombinant Mouse Nmes1. The theoretical molecular weight of the Nmes1 protein is 25.6 kDa. Expression

	of this Nmes1 protein is conducted in e.coli. Fusion of the N-terminal 6xHis-SUMO tag into the Nmes1 encoding gene fragment was conducted, allowing for easier detection and purification of the Nmes1 protein in subsequent stages. Mouse normal mucosa of esophagus-specific gene 1 protein (Nmes1) plays a crucial role in cellular differentiation and tissue homeostasis. Its primary function involves contributing to the maintenance of normal esophageal mucosal integrity. In molecular biology, Nmes1 is implicated in regulating gene expression patterns associated with tissue specificity. Exploring Nmes1 provides insights into esophageal biology, cellular differentiation, and potential implications in gastrointestinal research. Additionally, Nmes1's role in tissue homeostasis suggests relevance in understanding epithelial integrity in various organs. Investigating Nmes1 offers avenues for research in molecular and cellular biology, potentially enhancing the understanding of tissue-specific gene regulation and contributing to advancements in gastroenterology.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.