



Recombinant Mouse FAD-linked sulfhydryl oxidase ALR (Gfer)

Product Code	CSB-BP009370MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P56213
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	MAAPSEPAGF PRGSRFSFLP GGARSEMTDD LVTDARGRGA RHRDDTTPAA APAPQGLEHG KRPCRACVDF KSWMRTQQKR DIKFREDCPQ DREELGRHTW AFLHTLAAYY PDRPTPEQQQ DMAQFIHIFS KFYPCEECAE DIRKRIGRNQ PDTSTRVSFS QWLCRLHNEV NRKLGKPDFD CSRVDERWRD GWKDGSCD
Source	Baculovirus
Target Names	Gfer
Protein Names	Recommended name: FAD-linked sulfhydryl oxidase ALR EC= 1.8.3.2 Alternative name(s): Augmenter of liver regeneration
Expression Region	1-198
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	The hepatotrophic factor designated augmenter of liver regeneration (ALR) is thought to be one of the factors responsible for the extraordinary regenerative capacity of mammalian liver. It has also been called hepatic regenerative stimulation substance (HSS). The gene resides on chromosome 16 in the interval containing the locus for polycystic kidney disease (PKD1). The putative gene product is 42% similar to the scERV1 protein of yeast. The yeast scERV1 gene had been found to be essential for oxidative phosphorylation, the maintenance of mitochondrial genomes, and the cell division cycle. The human gene is both the structural and functional homolog of the yeast scERV1 gene.
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.