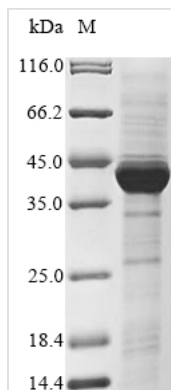




Recombinant Mouse 5-AMP-activated protein kinase subunit gamma-1 (Prkag1)

Product Code	CSB-EP528783MO
Abbreviation	Recombinant Mouse Prkag1 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.	O54950
Product Type	Recombinant Proteins
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MESVAAESSPALENEHFQETPESNNSVYTSFMKSHRCYDLIPTSSKL VVFDTS LQVKKAFFALVTNGVRAAPLWDSKKQSFVGMLTITDFINILHRYYSALVQIYEL EEHKIETWREVYLQDSFKPLVCISPNASLFDVSSLIRNKIHRLPVIDPESGNTL YILTHKRILKFLKLFITEFPKPEFMSKSLQELQIGTYANIAMVRTTTPVYVALGIFV QHRVSALPVVDEKGRVVDIYSKFDVINLAAEKTNNLDVSVTKALQHRSHYFE GVLKCYLHETLETIINRLVEAEVHRLVVVDEHDVVKGIVSLSDILQALVLTGGEK KP
Research Area	Metabolism
Source	E.coli
Target Names	Prkag1
Protein Names	Recommended name: 5'-AMP-activated protein kinase subunit gamma-1 Short name= AMPK gamma1 Short name= AMPK subunit gamma-1 Short name= AMPKg
Expression Region	1-330aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	41.6 kDa
Protein Length	Full Length
Image	



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

Description

Expressing the recombinant Mouse Prkag1 protein generally involves constructing a plasmid encoding the Mouse Prkag1 protein (1-330aa). This plasmid is introduced into e.coli cells, followed by the selection and culturing of positive e.coli cells, induction of protein expression, and subsequent cell lysis. The protein is fused with a N-terminal 6xHis tag. The recombinant Mouse Prkag1 protein is purified through affinity purification, and SDS-PAGE analysis is conducted to confirm the presence of the protein and determine its purity. This protein exhibits a purity exceeding 85%.

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.