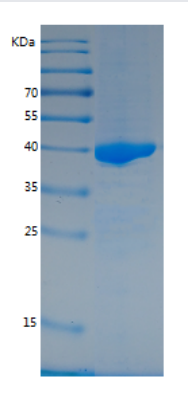
AKT1 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	AKT1, Recombinant Protein
Full Product Name	Recombinant Human AKT1
Product Gene Name	AKT1 recombinant protein
Product Synonym Names	AKT; AKT1; AKT2; AKT3; PKB; PKB ALPHA; PRKBA; Protein kinase B; Proto oncogene c Akt; RAC; RAC ALPHA; RAC PK alpha
Host	E Coli
Form/Format	Lyophilized from a 0.2um filtered solution in PBS with 5% trehalose, pH7.4
Purity/Purification	Greater than 95% by SDS-PAGE gel analyses
Preparation and Storage	Store at -20 degree C for 12 months as lyophilized; 2-8 degree C for 1 month under sterile conditions after reconstitution
Molecular Weight	55,686 Da
Sequence Positions	1-149aa
Chromosome Location	Chromosome: 14; NC_000014.8 (105235686..105262080, complement). Location: 14q32.32
OMIM	114480
3D Structure	ModBase 3D Structure for P31749
Species	Human
Tag	GST tag
Reconstitution	Sterile distilled water
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for AKT1 recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for AKT1 recombinant protein	MBS7608436 is a recombinant protein targeting AKT1. Also known as Recombinant Human AKT1. Host: E Coli.
Other Notes	Small volumes of AKT1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



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SDS-Page

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AKT1. It may not necessarily be applicable to this product.

NCBI GI #	62241013
NCBI GeneID	207
NCBI Accession #	NP_001014431.1
UniProt Primary Accession #	P31749
UniProt Secondary Accession #	Q9BWB6; B2RAM5
UniProt Related Accession #	P31749
GenBank Nucleotide #	NM_001014431.1
NCBI Official Full Name	RAC-alpha serine/threonine-protein kinase
NCBI Official Synonym Full Names	v-akt murine thymoma viral oncogene homolog 1
NCBI Official Symbol	AKT1
NCBI Official Synonym Symbols	AKT; PKB; RAC; CWS6; PRKBA; PKB-ALPHA; RAC-ALPHA
UniProt Protein Name	RAC-alpha serine/threonine-protein kinase
UniProt Synonym Protein Names	Protein kinase B; PKB; Protein kinase B alpha; PKB alpha; Proto-oncogene c-Akt; RAC-PK-alpha
Protein Family	Potassium channel
UniProt Gene Name	AKT1
UniProt Synonym Gene Names	PKB; RAC; PKB; PKB alpha
UniProt Entry Name	AKT1_HUMAN
NCBI Protein Information	RAC-alpha serine/threonine-protein kinase; PKB alpha; RAC-PK-alpha; proto-oncogene c-Akt; protein kinase B alpha; rac protein kinase alpha
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