



Recombinant Human Galactokinase (GALK1)

Product Code	CSB-BP009198HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P51570
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MAALRQPQVA ELLAEARRAF REEFGAEPPEL AVSAPGRVNL IGEHTDYNQG LVLPMAL ELM TVLVGSPRKD GLVSLTSE GADEPQRLQF PLPTAQRSLE PGTPRWANYV KGVIQYYPAA PLPGFSAVVV SSVPLGGGLS SSASLEVATY TFLQQLCPDS GTIAARAQVC QQA EHSFAGM PCGIMDQFIS LMGQKGHALL IDCRSLETSL VPLSDPKLAV LITNSNVRHS LASSEYPVRR RQCEEVARAL GKESLREVQL EELEARDLV SKEGFRRARH VVGEIRRTAQ AAAALRRGDY RAFGRLMVES HRSLRDDYEV SCELDQLVE AALAVPGVYG SRMTGGGFGG CTVTLLEASA APHAMRHIQE HYGGTATFYL SQAADGAKVL CL
Source	Baculovirus
Target Names	GALK1
Protein Names	Recommended name: Galactokinase EC= 2.7.1.6 Alternative name(s): Galactose kinase
Expression Region	1-392
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	Galactokinase is a major enzyme for the metabolism of galactose and its deficiency causes congenital cataracts during infancy and presenile cataracts in the adult population.
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.