



Recombinant Human Chorion-specific transcription factor GCMb (GCM2)

Product Code	CSB-EP009324HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O75603
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MPAAAVQEAV GVC SYGMQLS WDINDPQMPQ ELALFDQFRE WPDGYVRFIY SSDEKKAQRH LSGWAMRNTN NHNGHILKKS CLGVVCTQA CTLPDGSR LQ LRPAICDKAR LKQQKKACPN CHSALELIPC RGHSGYPVTN FWRLDGNAIF FQAKGVHDHP RPESKSETEA RRS AIKRQMA SFYQPQKKRI RESEAEENQD SSGHFSNIPP LENPEDFDIV TETSFPIPGQ PCPSFPKSDV YKATCDLATF QGDKMPPFQK YSSPRIYLPR PPCSYELANP GYTNSSPYPT LYKDSTSIPN DTDWVHLNLT QCNVNSYSSY ERSFDFTNKQ HGWKPALGKP SLVERTNHGQ FQAMATRPYY NPELPCRYLT TPPP GAPALQ TVITTTTKVS YQAYQPPAMK YSDSVREVKS LSSCNYPED TGMSVYPEPW GPPVTVTRAA SPSGPPPMKI AGDCRAIRPT VAIPHEPVSS RTDEAETWDV CLSGLGSAVS YSDRVGPFFT YNNEDF
Source	E.coli
Target Names	GCM2
Protein Names	Recommended name: Chorion-specific transcription factor GCMb Short name= hGCMb Alternative name(s): GCM motif protein 2 Glial cells missing homolog 2
Expression Region	1-506
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	This gene is a homolog of the Drosophila glial cells missing gene, which is thought to act as a binary switch between neuronal and glial cell determination. This protein contains a conserved N-terminal GCM motif that has DNA-binding activity. The protein is a transcription factor that acts as a master regulator of parathyroid development. It has been suggested that this transcription factor might mediate the effect of calcium on parathyroid hormone expression and secretion in parathyroid cells. Mutations in this gene are associated with hypoparathyroidism.
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.