Recombinant Human Homeobox protein goosecoid-2 (GSC2)

Product Code	CSB-YP009951HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O15499
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MAAAAGGAAS RRGAGRPCPF SIEHILSSLP ERSLPARAAC PPQPAGRQSP AKPEEPGAPE AAPCACCCCC GPRAAPCGPP EAAAGLGARL AWPLRLGPAV PLSLGAPAGG SGALPGAVGP GSQRRTRRHR TIFSEEQLQA LEALFVQNQY PDVSTRERLA GRIRLREERV EVWFKNRRAK WRHQKRASAS ARLLPGVKKS PKGSC
Source	Yeast
Target Names	GSC2
Protein Names	Recommended name: Homeobox protein goosecoid-2 Short name= GSC-2 Alternative name(s): Homeobox protein goosecoid-like Short name= GSC-L
Expression Region	1-205
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	Goosecoidlike (GSCL), a homeodomain-containing gene, resides in the critical region for VCFS/DGS on 22q11. Velocardiofacial syndrome (VCFS) is a developmental disorder characterized by conotruncal heart defects, craniofacial anomalies, and learning disabilities. VCFS is phenotypically related to DiGeorge syndrome (DGS) and both syndromes are associated with hemizygous 22q11 deletions. Because many of the tissues and structures affected in VCFS/DGS derive from the pharyngeal arches of the developing embryo, it is believed that haploinsufficiency of a gene involved in embryonic development may be responsible for its etiology. The gene is expressed in a limited number of adult tissues, as well as in early human development.
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.