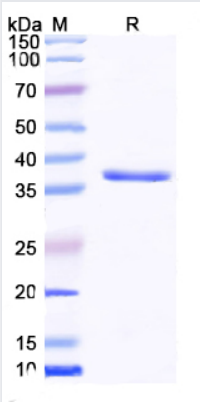
GSC2 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	GSC2, Recombinant Protein
Full Product Name	Recombinant Human GSC2 Protein, N-GST & C-His
Product Gene Name	GSC2 recombinant protein
Product Synonym Names	Homeobox protein goosecoid-2; GSC-2; Homeobox protein goosecoid-like; GSC-L; GSC2; GSCL
Sequence	His129-Cys 205
Host	E coli
Form/Format	Lyophilized from a solution in PBS pH 7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE.
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for frequent use. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	21,545 Da
Chromosome Location	Chromosome: 22; NC_000022.10 (19136504..19137796, complement). Location: 22q11.21
OMIM	601845
3D Structure	ModBase 3D Structure for O15499
Species	Homo sapiens (Human)
Reconstitution	Reconstitute in sterile water for a stock solution. A copy of datasheet will be provided with the products, please refer to it for details.
Product Categories/Family for GSC2 recombinant protein	Recombinant Protein; Other Proteins; Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for GSC2 recombinant protein	ELISA (EIA), Immunogen, SDS-PAGE, Western Blot (WB), Bioactivity testing in progress
Related Product Information for GSC2 recombinant protein	MBS1587159 is a recombinant protein targeting GSC2. Also known as Recombinant Human GSC2 Protein, N-GST & C-His. Host: E coli.
Other Notes	Small volumes of GSC2 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.



SDS-Page of GSC2 recombinant protein
SDS-PAGE for Recombinant Human GSC2 protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GSC2. It may not necessarily be applicable to this product.

NCBI GI #	4885363
NCBI GeneID	2928
NCBI Accession #	NP_005306.1
UniProt Primary Accession #	O15499
UniProt Related Accession #	O15499
GenBank Nucleotide #	NM_005315.1
NCBI Official Full Name	homeobox protein goosecoid-2
NCBI Official Synonym Full Names	goosecoid homeobox 2
NCBI Official Symbol	GSC2
NCBI Official Synonym Symbols	GSCL
UniProt Protein Name	Homeobox protein goosecoid-2
UniProt Synonym Protein Names	Homeobox protein goosecoid-like
Protein Family	1,3-beta-glucan synthase
UniProt Gene Name	GSC2
UniProt Synonym Gene Names	GSCL; GSC-2; GSC-L
UniProt Entry Name	GSC2_HUMAN
NCBI Protein Information	homeobox protein goosecoid-2; GSC-2; GSC-L
NCBI Summary for GSC2	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. [provided by RefSeq, Jul 2008]

UniProt Comments for GSC2	GSC2: May have a role in development. May regulate its own transcription. May bind the bicoid consensus sequence TAATCC. Belongs to the paired homeobox family. Bicoid subfamily. Protein type: DNA-binding Chromosomal Location of Human Ortholog: 22q11.21 Cellular Component: nucleus Molecular Function: DNA binding; sequence-specific DNA binding; transcription factor activity Biological Process: regulation of transcription from RNA polymerase II promoter; anatomical structure morphogenesis
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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Online datasheet: https://www.mybiosource.com/recombinant-protein/gsc2/1587159