

## Recombinant Human GSC2 Protein, GST-tagged

Cat. No. GSC2-5389H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human GSC2 full-length ORF ( NP_005306.1, 1 a.a. - 205 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	<p>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]</p>
<b>Molecular Mass</b>	48.95 kDa
<b>AA Sequence</b>	MAAAAGGAASRRGAGRPCPFSIEHILSSLPERSLPARAACPPQPAGRQSPAKPEEP GAPEAAPCACCCCGPRAAPCGPPEAAAGLGARLAWPLRLGPAVPLSLGAPAGGS GALPGAVGPGSQRRTRRHRTIFSEEQLQALEALFVQNQYPDVSTRERLAGRIRLRE ERVEVWFKNRRRAKWRHQKRASASARLLPGVKKSPKGC

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<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	GSC2 gooseoid homeobox 2 [ Homo sapiens ]
<b>Official Symbol</b>	GSC2
<b>Synonyms</b>	GSC2; gooseoid homeobox 2; gooseoid like, GSCL; homeobox protein gooseoid-2; GSC-2; GSC-L; GSCL;
<b>Gene ID</b>	2928
<b>mRNA Refseq</b>	NM_005315
<b>Protein Refseq</b>	NP_005306
<b>MIM</b>	601845
<b>UniProt ID</b>	O15499

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