Recombinant Human GSC2 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human GSC2 full-length ORF (NP_005306.1, 1 a.a. - 205 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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
Molecular Mass	48.95 kDa
AA Sequence	MAAAAGGAASRRGAGRPCPFSIEHILSSLPERSLPARAACPPQPAGRQSPAKPEEP GAPEAAPCACCCCCGPRAAPCGPPEAAAGLGARLAWPLRLGPAVPLSLGAPAGGS GALPGAVGPGSQRRTRRHRTIFSEEQLQALEALFVQNQYPDVSTRERLAGRIRLRE ERVEVWFKNRRAKWRHQKRASASARLLPGVKKSPKGSC

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

GENE INFORMATION

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

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