

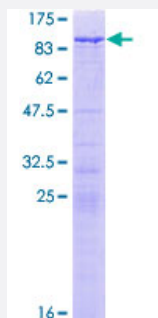
Full-Length

WHSC1 (Human) Recombinant Protein (P01)

Catalog # H00007468-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human WHSC1 full-length ORF (NP_579889.1, 1 a.a. - 647 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEFSIKQSPLSVQSVVKCIKMKQAPEILGSANGKTPSCEVNRCSVFLSKAQLSSSLQEGVMQK
FNGHDALPFIPADKLKDLTSRVFNGEPGAHDAKLRFSQEMKGIGTPNTTPIKNGSPEIKLKITKT
YMNGKPLFESSICGDSAADV SQSEENGQKPENKARRNRKRSIKYDSLLEQGLVEAALVSKISSPS
DKKIPAKKESCPNTGRDKDHLLKYNVGD LVWSKVSGYPWWPCMV SADPLLHSYTKLKGQKKS
RQYHVQFFGDAPERAWIFEKSLVAFEGEGQFEKLCQESAKQAPTKAEKIKLLKPISGKLRAQWE
MGVQAEEAASMSVEERKAKFTFLYVG DQLHLNPQVAKEAGIAAESLGEMAESSGVSEEAENP
KSVREECIPMKRRRRRAKLCSSAETLESHPDIGKSTPQKTAEADPRRGVGSPPGRKKT TVSM
PRSRKGDAASQFLVFCQKHRDEVVAEHPDASGEEIEELLRSQWSLLSEKQRARYNTKFALVAPVQAE
EDSGNVNGKKRNHTKRIQDPTEDAEAEDTPRKRLRTDKHSLRKRDTITDKTARTSSYKAMEAASS
LKSQAATKNLSDACKPLKKRNRSTAASSALGFSKSSSPSASLTENELLWEPTPVKLDLNPAAL
YCT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

97.8

Interspecies Antigen Sequence

Mouse (86); Rat (85)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — WHSC1

Entrez GeneID	7468
GeneBank Accession#	NM_133334.2
Protein Accession#	NP_579889.1
Gene Name	WHSC1
Gene Alias	FLJ23286, KIAA1090, MGC176638, MMSET, NSD2, REIIBP, TRX5, WHS
Gene Description	Wolf-Hirschhorn syndrome candidate 1
Omim ID	602952
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a protein that contains four domains present in other developmental proteins: a PWWP domain, an HMG box, a SET domain, and a PHD-type zinc finger. It is expressed ubiquitously in early development. Wolf-Hirschhorn syndrome (WHS) is a malformation syndrome associated with a hemizygous deletion of the distal short arm of chromosome 4. This gene maps to the 165 kb WHS critical region and has also been involved in the chromosomal translocation t(4;14)(p16.3;q32.3) in multiple myelomas. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. Some transcript variants are nonsense-mediated mRNA (NMD) decay candidates, hence not represented as reference sequences. [provided by RefSeq]

Other Designations

IL5 promoter REll region-binding protein|OTTHUMP00000149955|OTTHUMP00000159146|Wolf-Hirschhorn syndrome candidate 1 protein|multiple myeloma SET domain containing protein type I|||trithorax/ash1-related protein 5

Pathway

- [Lysine degradation](#)

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Kidney Failure](#)