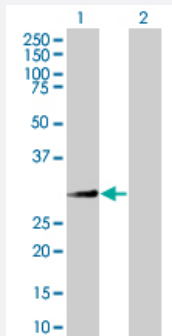


WISP1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00008840-T01

Size 100 uL

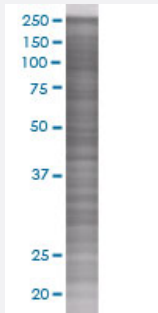
Applications



Western Blot

Lane 1: WISP1 transfected lysate (30.7 kDa)

Lane 2: Non-transfected lysate.



SDS-PAGE Gel

WISP1 transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-WISP1 full-length
Host	Human
Theoretical MW (kDa)	30.91
Interspecies Antigen Sequence	Mouse (53); Rat (53)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-WISP1 antibody ([H00008840-B01](#)) by Western Blots.
Western Blot
Lane 1: WISP1 transfected lysate (30.7 KDa)
Lane 2: Non-transfected lysate.
SDS-PAGE Gel
WISP1 transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — WISP1

Entrez GeneID [8840](#)

GeneBank Accession# [NM_080838](#)

Protein Accession# [NP_543028](#)

Gene Name WISP1

Gene Alias CCN4, WISP1c, WISP1i, WISP1tc

Gene Description WNT1 inducible signaling pathway protein 1

Omim ID [603398](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes a member of the WNT1 inducible signaling pathway (WISP) protein subfamily, which belongs to the connective tissue growth factor (CTGF) family. WNT1 is a member of a family of cysteine-rich, glycosylated signaling proteins that mediate diverse developmental processes. The CTGF family members are characterized by four conserved cysteine-rich domains: insulin-like growth factor-binding domain, von Willebrand factor type C module, thrombospondin domain and C-terminal cystine knot-like domain. This gene may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. It is expressed at a high level in fibroblast cells, and overexpressed in colon tumors. The encoded protein binds to decorin and biglycan, two members of a family of small leucine-rich proteoglycans present in the extracellular matrix of connective tissue, and possibly prevents the inhibitory activity of decorin and biglycan in tumor cell proliferation. It also attenuates p53-mediated apoptosis in response to DNA damage through activation of the Akt kinase. It is 83% identical to the mouse protein at the amino acid level. Alternative splicing of this gene generates 2 transcript variants. [provided by RefSeq]

Other Designations

WNT1 induced secreted protein 1|Wnt-1 inducible signaling pathway protein 1|wnt-1 signaling pathway protein 1

Disease

- [Asthma](#)
- [Celiac Disease](#)
- [Colorectal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Narcolepsy](#)
- [Osteoarthritis](#)
- [Ovarian Neoplasms](#)
- [Spondylitis](#)
- [Tobacco Use Disorder](#)