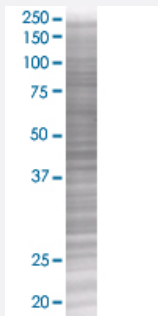


WNT4 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00054361-T01

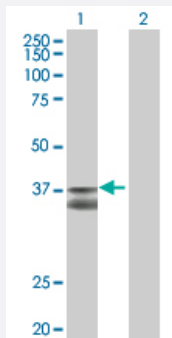
Size 100 uL

Applications



SDS-PAGE Gel

WNT4 transfected lysate.



Western Blot

Lane 1: WNT4 transfected lysate (38.72 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-WNT4 full-length
Host	Human
Theoretical MW (kDa)	38.72
Interspecies Antigen Sequence	Mouse (98); Rat (98)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-WNT4 antibody ([H00054361-B02](#)) by Western Blots.
SDS-PAGE Gel
WNT4 transfected lysate.
Western Blot
Lane 1: WNT4 transfected lysate (38.72 KDa)
Lane 2: Non-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 — WNT4

Entrez GeneID[54361](#)**GeneBank Accession#**[NM_030761](#)**Protein Accession#**[NP_110388](#)**Gene Name**

WNT4

Gene Alias

SERKAL, WNT-4

Gene Description

wingless-type MMTV integration site family, member 4

Omim ID[277000 603490](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family, and is the first signaling molecule shown to influence the sex-determination cascade. It encodes a protein which shows 98% amino acid identity to the Wnt4 protein of mouse and rat. This gene and a nuclear receptor known to antagonize the testis-determining factor play a concerted role in both the control of female development and the prevention of testes formation. This gene and another two family members, WNT2 and WNT7B, may be associated with abnormal proliferation in breast tissue. Mutations in this gene can result in Rokitansky-Kuster-Hauser syndrome and in SERKAL syndrome. [provided by RefSeq]

Other Designations

OTTHUMP00000002937|OTTHUMP00000044725|WNT-4 protein

Pathway

- [Basal cell carcinoma](#)
- [Hedgehog signaling pathway](#)
- [Melanogenesis](#)
- [Pathways in cancer](#)
- [Wnt signaling pathway](#)

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Disease Susceptibility](#)
- [Endometriosis](#)