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WNT-1, human recombinant protein

INT-1

Catalog # PBV10397r

Specification

WNT-1, human recombinant protein - Product info

Primary Accession	P04628
Calculated MW	**38.4 kDa KDa**

WNT-1, human recombinant protein - Additional Info

Gene ID	**7471**
Gene Symbol	**WNT1**

Other Names

INT-1, Proto-oncogene Int-1 homolog

Gene Source	**Human**
Source	**E. coli**
Assay&Purity	**SDS-PAGE; ≥98%**
Assay2&Purity2	**HPLC; ≥98%**
Recombinant	**Yes**
Results	**1.5 - 2.5 ng/m**

Application Notes

Reconstitute in H_2O to a concentration of 0.1-1.0 µg/ µl. The solution can then be diluted into other aqueous buffers

Format

Lyophilized protein

Storage

-20°C; Sterile filtered and lyophilized with no additives

WNT-1, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

WNT-1, human recombinant protein - Images

WNT-1, human recombinant protein - Background

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Wnt-1 is a secreted protein that signals through the Frizzled family of cell surface receptors and is required for normal embryonic development. Wnt-1 activation induces a complex signaling cascade that ultimately leads to the increased expression of over fifty genes. An important component of Wnt-1 signaling is the stabilization, and resulting accumulation, of the intraCellular signaling protein, β-catenine. Wnt signaling induces and maintains the transformed phenotype and, in certain embryonic cell lines, supports self renewal in the absence of significant differentiation. Elevated levels of Wnt proteins are associated with tumorigenesis and are present in numerous human breast cancers. Mature human Wnt-1 is a glycosylated protein containing 343 amino acid residues. Recombinant human Wnt-1 is a 38.4 kDa, non-glycosylated protein containing 343 amino acid residues.

WNT-1, human recombinant protein - References

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Doubravska L.,et al.Cell. Signal. 23:837-848(2011).
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