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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

WNT9A (Human) Recombinant Protein (P01)

Catalog Number: H00007483-P01

Regulation Status: For research use only (RUO)

Product Description: Human WNT9A full-length ORF (NP_003386, 1 a.a. - 365 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

```
MLDGSPLARWLAAAFGLTLLLAALRPSAAYFGLTGSEP
LTILPLTLEPEAAAQAHYKACDRLKLERKQRRMCRRD
GVAETLVEAVSMALECCQFQFRFERWNCTLEGRYRA
SLLKRGFKETAFLYAISSAGLTHALAKACSAGRMERCT
CDEAPDLENREAWQWGGCGDNLKYSSKFVKEFLGR
RSSKDLRARVDFHNNLVGVKVIKAGVETTCKCHGVSG
SCTVRTCWRQLAPFHEVGKHLKHKYETALKVGSTTNE
AAGEAGAISPPRGRASGAGGSDPLRTPELVHLDSP
SFCLAGRFPSTAGRRCHREKNCSICCGRGHNTQS
RVVTRPCQCQVRWCCYVECRQCTQREEVYTCKG
```

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 65.78

Interspecies Antigen Sequence: Mouse (98)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 7483

Gene Symbol: WNT9A

Gene Alias: MGC138165, MGC141991, WNT14

Gene Summary: The WNT gene family consists of structurally related genes that 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. It is expressed in gastric cancer cell lines. The protein encoded by this gene shows 75% amino acid identity to chicken Wnt14, which has been shown to play a central role in initiating synovial joint formation in the chick limb. This gene is clustered with another family member, WNT3A, in the chromosome 1q42 region. [provided by RefSeq]

References:

1. Dysregulation of the Wnt signaling pathway and synovial stem cell dysfunction in osteoarthritis development. Huang J, Chen C, Liang C, Luo P, Xia G, Zhang L, Wang X, Wen Z, Cao X, Wu S. *Stem Cells Dev.* 2020 Apr 1;29(7):401-413. doi: 10.1089/scd.2019.0260. Epub 2020 Feb 19.
2. Identification of fibronectin as a major factor in human serum to recruit subchondral mesenchymal progenitor cells. Kulawig R, Kruger JP, Klein O, Konthur Z, Schutte H, Klose J, Kaps C, Endres M *Int J Biochem Cell Biol.* 2013 Apr 21;45(7):1410-1418. doi: 10.1016/j.biocel.2013.04.016.