WNT3A (Human) Recombinant Protein

Catalog # P9412 Size 20 ug

Specification

Product Description	Human WNT3A (P56704, 19 a.a. - 352 a.a.) partial recombinant protein expressed in *Escherichia coli*.
Sequence	MSYPIWWSLAVGPQYSSLGSQPILCASIPGLVPKQLRFCRNYVEIMPSVAEGIKIGIQECQHQFRGR RWNCTTVHDSLAIFGPVLDKATRESAFVHAIASAGVAFAVTRSCAEGTAAICGCSSRHQGSPGKG WKWGGCSEDIEFGGMVSREFADARENRPDARSAMNRHNNEAGRQAIASHMHLKCKCHGLSGS CEVKTCWWSQPDFRAIGDFLKDKYDSASEMVVEKHRESRGWVETLRPRYTYFKVPTERDLVYY EASPNFCEPNPETGSFGTRDRTCNVSSHGIDGCDLLCCGRGHNARAERRREKCRCVFHWCCYV SCQECTRVYDVHTCK
Host	Escherichia coli
Theoretical MW (kDa)	37.5
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 85.0% by SDS-PAGE
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In 20mM Tris-HCl pH 8.0 (10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — WNT3A

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Entrez GeneID	89780
Protein Accession#	P56704
Gene Name	WNT3A
Gene Alias	MGC119418, MGC119419, MGC119420
Gene Description	wingless-type MMTV integration site family, member 3A
Omim ID	606359
Gene Ontology	Hyperlink
Gene Summary	The WNT gene family consists of structurally related genes which encode secreted signaling prot eins. These proteins have been implicated in oncogenesis and in several developmental process es, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It encodes a protein which shows 96% amino acid identity to mouse Wnt 3A protein, and 84% to human WNT3 protein, another WNT gene product. This gene is clustered with WNT14 gene, another family member, in chromosome 1q42 region. [provided by RefSeq
Other Designations	OTTHUMP00000035713

Publication Reference

- Wnt3a promotes radioresistance via autophagy in squamous cell carcinoma of the head and neck.

  Qiancheng Jing, Guo Li, Xiyu Chen, Chao Liu, Shanhong Lu, Hua Zheng, Huiling Ma, Yuexiang Qin, Diekuo Zhang, Shuiting Zhang, Shuling Ren, Donghai Huang, Pingqing Tan, Jie Chen, Yuanzheng Qiu, Yong Liu

  J Cell Mol Med 2019 7; 23(7):4711-4722.

Pathway

- Basal cell carcinoma
- Hedgehog signaling pathway
- Melanogenesis
- Pathways in cancer
- Wnt signaling pathway

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Disease

- Cleft Lip
- Cleft Palate
- Genetic Predisposition to Disease

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