

Wnt1 active protein

Wnt1 protein

CATALOG # AAA75438	HOST E. Coli
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PRODUCT SYNONYMS

Wnt1; Wnt1 protein; Wnt 1 protein; Wnt-1 protein; Wnt 1; Wnt-1; INT-1 protein; Wnt1 active protein

PRODUCT SPECIFICATIONS

Host	E. Coli
Purity/Purification	> 98% by SDS-PAGE gel and HPLC analysis
Form/Format	Sterile filtered through a 0.2 micron filter. Lyophilized with no additives. Centrifuge vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0mg/ml. Do not vortex.
Concentration	10ug per vial; lyophilized (varies by lot)
Sequence	Region of Wnt1 protein corresponds to amino acids: ANSSG RWWGIVNVAS STNLLTDSKS LQLVLEPSLQ LLSRKQRRRLI RQNPGLHSV SGG LQSAVRE CKWQFRNRRW NCPTAPGPHL FGKIVNRGCR ETAFIFAITS AGVTHSVARS CSEGSIESCT CDYRRRGPGG PDWHWGCSNIDFGRLFGR EFVDSGEKGR DLRFLMNLHN NEAGRTTVFS EMRQECKCHG MSGSCTVRTC WMRLPTLRV GDVLRDRFDG ASRVLYGNRG SNRASRAELL RLEPEDPAHK PPSPHDLVYF EKSPNFCTYS GRLGTAGTAG RACNSSSPAL DGCELLCCGR GHRTTRTQRTV ERCNCTFHWC CHVSCRNCTH TRVLHECL.
Grade	Recombinant human protein
Contaminants	Endotoxin level is less than 0.1 ng per ug (1 EU/ug).
Biohazard	Not for human use. Use normal laboratory precautions when handling reagent. For research purposes only.
Biological Significance	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, beta-catenin. 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.
Preparation and Storage	Ships on blue ice. Upon receipt store at 4°C short term, -20°C long term.

ADDITIONAL INFORMATION

Related Product Information for Wnt1 active protein	Purified recombinant Human Wnt1 protein
Product Categories/Family for Wnt1 active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	237784114
Molecular Weight	38.4 kDa
NCBI Official Full Name	Wnt1, partial

UniProt Protein Name	Protein Wnt
UniProt Gene Name	Wnt1
UniProt Entry Name	C4P689_OCTBM

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/wnt1/75438>