

Protein Wnt-8 Recombinant Protein | wnt8 recombinant protein

Recombinant Xenopus laevis Protein Wnt-8

CATALOG #
AAA115744

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Protein Wnt-8; Recombinant Xenopus laevis Protein Wnt-8; wnt8 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	23-358. Full Length of Mature Protein
Sequence	AWSVNNFLMT GPKAYLTISA SVAVGAQNGI EECKYQFAWE RWNCESTLQ LATHNGLRSA TRETSFVHAI SSAGVMYTLT RNCMGMDFDN CGCDDSRNGR IGGRGWVWGG CSDNAEFGER ISKLFVDGLE TGQDARALMN LHNNEAGRLA VKETMKRTCK CHGISGSCSI QTCWLQLAEF RDIGNHLKIK HDQALKLEMD KRKMRSNGSA DNRGAIADAF SSVAGSELIF LEDSPDYCLK NISLGLQGTE GRECLQSGKN LSQWERRSCK RLCTDCGLRV EEKKTEISS CNCKFHWCCCT VKCEQCKQVV IKHFCARRER DSNMLNTRKR NRGHRR
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for wnt8 recombinant protein

Ligand for members of the frizzled family of seven transmembrane receptors. Plays a role in ventral mesodermal patterning during embryogenesis. Mimics Nieuwkoop center activity. Causes dorsal mesodermal differentiation of animal cap ectoderm when coexpressed with noggin and nuclear, sequence-specific DNA-binding protein xBra. None of these molecules causes dorsal mesoderm formation when expressed alone.

References	Xwnt-8, a Xenopus Wnt-1/int-1-related gene responsive to mesoderm-inducing growth factors, may play a role in ventral mesodermal patterning during embryogenesis.Christian J.L., McMahon J.A., McMahon A.P., Moon R.T.Development 111:1045-1055(1991) Xwnt-8b a maternally expressed Xenopus Wnt gene with a potential role in establishing the dorsoventral axis.Cui Y., Brown J.D., Moon R.T., Christian J.L.Development 121:2177-2186(1995) Isolation of cDNAs partially encoding four Xenopus Wnt-1/int-1-related proteins and characterization of their transient expression during embryonic development.Christian J.L., Gavin B.J., McMahon A.P., Moon R.T.Dev. Biol. 143:230-234(1991) Specification of mesodermal pattern in Xenopus laevis by interactions between Brachyury, noggin and Xwnt-8.Cunliffe V., Smith J.C.EMBO J. 13:349-359(1994) The head inducer Cerberus is a multifunctional antagonist of Nodal, BMP and Wnt signals.Piccolo S., Agius E., Leyns L., Bhattacharyya S., Grunz H., Bouwmeester T., De Robertis E.M.Nature 397:707-710(1999) Tiki1 is required for head formation via Wnt cleavage-oxidation and inactivation.Zhang X., Abreu J.G., Yokota C., Macdonald B.T., Singh S., Coburn K.L., Cheong S.M., Zhang M.M., Ye Q.Z., Hang H.C., Steen H., He X.Cell 149:1565-1577(2012) Structural basis of Wnt recognition by Frizzled.Janda C.Y., Waghray D., Levin A.M., Thomas C., Garcia K.C.Science 337:59-64(2012)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148227888
NCBI GeneID	397970
NCBI Accession #	NP_001081637.1
NCBI GenBank Nucleotide #	NM_001088168.1
UniProt Accession #	P28026
Molecular Weight	39.7 kDa
NCBI Official Full Name	protein Wnt-8
NCBI Official Synonym Full Names	wingless-type MMTV integration site family member 8A
NCBI Official Symbol	wnt8a
NCBI Official Synonym Symbols	wnt8; Xwnt8; wnt-8; xwnt-8
NCBI Protein Information	protein Wnt-8
UniProt Protein Name	Protein Wnt-8
UniProt Gene Name	wnt8
UniProt Synonym Gene Names	XWnt-8
UniProt Entry Name	WNT8_XENLA

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.