

Nidogen-1 Recombinant Protein | Nid1 recombinant protein

Recombinant Mouse Nidogen-1

CATALOG # AAA113461	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
-------------------------------	---

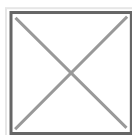
PRODUCT SYNONYMS

Nidogen-1; Recombinant Mouse Nidogen-1; Entactin; Nid1 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	428-665aa; Partial
Sequence	SPQRVNGKVK GRIFVGSSQV PVVFENTDLH SYVVMNHGRS YTAISTIPET VGYSLLPLAP IGGIIGWMFA VEQDGFKNKF SITGGEFTRQ AEVTFLGHPG KLVLKQQFSG IDEHGHLTIS TELEGRVPQI PYGASVHIEP YTELYHYSSS VITSSSTREY TVMEPDQDGA APSHTHIYQW RQTITFQECA HDDARPALPS TQQLSVDSVF VLYNKEERIL RYALSNSIGP VRDGSPDA
Sequence Length	665
Production Note	Special Offer: The Yeast host-expressed protein is manufactured from a stock plasmid containing the protein gene. Yeasthost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The Yeast host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select Yeast host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
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 Nid1 recombinant protein	Sulfated glycoprotein widely distributed in basent membranes and tightly associated with laminin. Also binds to collagen IV and perlecan. It probably has a role in cell-extracellular matrix interactions.
--	---

References	Amino acid sequence and domain structure of entactin. Homology with epidermal growth factor precursor and low density lipoprotein receptor.Durkin M.E., Chakravarti S., Bartos B.B., Liu S.H., Friedman R.L., Chung A.E.J. Cell Biol. 107:2749-2756(1988) Amino acid sequence of mouse nidogen, a multidomain basement membrane protein with binding activity for laminin, collagen IV and cells.Mann K., Deutzmann R., Aumailley M., Timpl R., Raimondi L., Yamamda Y., Pan T.-C., Conway D., Chu M.-L.EMBO J. 8:65-72(1989) Characterization of the 5' end of the mouse Ent gene encoding the basement membrane protein, entactin.Durkin M.E., Liu S.H., Reing J., Chung A.E.Gene 132:261-266(1993) Exon organization of the mouse entactin gene corresponds to the structural domains of the polypeptide and has regional homology to the low-density lipoprotein receptor gene.Durkin M.E., Wewer U.M., Chung A.E.Genomics 26:219-228(1995) Purification and structural characterization of intact and fragmented nidogen obtained from a tumor basement membrane.Paulsson M., Deutzmann R., Dziadek M., Nowack H., Timpl R., Weber S., Engel J.Eur. J. Biochem. 156:467-478(1986) Structure and localization of O- and N-linked oligosaccharide chains on basement membrane protein nidogen.Fujiwara S., Shinkai H., Mann K., Timpl R.Matrix 13:215-222(1993) Binding of fibulin-1 to nidogen depends on its C-terminal globular domain and a specific array of calcium-binding epidermal growth factor-like (EG) modules.Adam S., Goehring W., Wiedemann H., Chu M.-L., Timpl R., Kostka G.J. Mol. Biol. 272:226-236(1997) Mac-2 binding protein is a cell-adhesive protein of the extracellular matrix which self-assembles into ring-like structures and binds beta1 integrins, collagens and fibronectin.Sasaki T., Brakebusch C., Engel J., Timpl R.EMBO J. 17:1606-1613(1998) Recombinant domains of mouse nidogen-1 and their binding to basement membrane proteins and monoclonal antibodies.Ries A., Goehring W., Fox J.W., Timpl R., Sasaki T.Eur. J. Biochem. 268:5119-5128(2001) Identification of the basement membrane protein nidogen as a candidate ligand for tumor endothelial marker 7 in vitro and in vivo.Lee H.K., Seo I.A., Park H.K., Park H.T.FEBS Lett. 580:2253-2257(2006) Crystal structure and mutational analysis of a perlecan-binding fragment of nidogen-1.Hopf M., Gohring W., Ries A., Timpl R., Hohenester E.Nat. Struct. Biol. 8:634-640(2001)
------------	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	171543883
NCBI GeneID	18073
NCBI Accession #	NP_035047.2
NCBI GenBank Nucleotide #	NM_010917.2
UniProt Accession #	P10493; Q3TKX9; Q8BQI3; Q8C3U8; Q8C9P6
Molecular Weight	28.3 kDa
NCBI Official Full Name	nidogen-1
NCBI Official Synonym Full Names	nidogen 1
NCBI Official Symbol	Nid1
NCBI Official Synonym Symbols	Nid; entactin; nidogen-1; A630025O17; entactin-1
NCBI Protein Information	nidogen-1
UniProt Protein Name	Nidogen-1
UniProt Gene Name	Nid1
UniProt Synonym Gene Names	Ent; NID-1
UniProt Entry Name	NID1_MOUSE

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.