

Full-Length

NODAL (Human) Recombinant Protein (P01)

Catalog # H00004838-P01

Size 50 ug

Specification

Product Description	Human NODAL full-length ORF (AAH33585.1, 1 a.a. - 326 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MTVATALLRTRGQPSSPSPLAYMLSLYRDPLPRADIIRSLQAEDVAVDGQNWTFAFDFSFLSQQE DLAWAELRLQLSSPVDLPTEGSLAIEIFHQPKPDTEQASDSCLERFQMDLFTVTLTSLQVTFSLGSM VLEVTRPLSKWLKRPGALEKQMSRVAGECWPRPPTPPATNVLLMLYSNLSQEQRQLGGSTLLW EAESSWRAQEGQLSWEWGKRHRHHLPDRSQLCRKVKFQVDFNLIGWGSWIYPKQYNAYRCE GECNPVGEEFHPTNHAYIQSLLKRYQPHRVPSTCCAPVKTPLSMLYVDNGRVLLDHHKDMIVE ECGCL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	62.26
Interspecies Antigen Sequence	Mouse (80); Rat (80)
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.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production

- Protein Array

Gene Info — NODAL

Entrez GeneID	4838
GeneBank Accession#	BC033585.1
Protein Accession#	AAH33585.1
Gene Name	NODAL
Gene Alias	MGC138230
Gene Description	nodal homolog (mouse)
Omim ID	601265
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the TGF-beta superfamily. Studies of the mouse counterpart suggested that this gene may be essential for mesoderm formation and subsequent organization of axial structures in early embryonic development. [provided by RefSeq]
Other Designations	OTTHUMP00000019754 nodal nodal, mouse, homolog

Pathway

- [TGF-beta signaling pathway](#)

Disease

- [Alzheimer Disease](#)
- [Cardiovascular Abnormalities](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)