

Recombinant Human Nodal

Cat No:HR2R1795

For research use only

Overview

Quantity	25 ?g
Gene Symbol	NODAL
Gene ID	4838
Accession	Q96S42
Alternative Name	Nodal homolog
Species	Human
Source	E. coli
Description	Nodal, also known as Nodal homolog, is a secreted protein member of the Transforming Growth Factor-beta (TGF-beta) superfamily. It is essential for the formation of mesoderm and axial patterning during early vertebrate embryonic development.
Functions	100 ng/mL phosphorylation activity as determined by its ability to induce Smad2 phosphorylation in P19 mouse embryonal carcinoma cells
Formulation	Lyophilized from a 0.2 ?m filtered solution in Acetonitrile and TFA (with BSA as a carrier protein)
Solubility	Reconstitute in sterile 4mM HCl at 100?g/mL (containing at least 0.1% human or bovine serum albumin)
Appearance	Lyophilized Powder
Molecular Weight	13.1
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.