

Recombinant rat Nanos homolog 3 protein

Catalog No: #AP72320



Package Size: #AP72320-1 20ug #AP72320-2 100ug #AP72320-3 1mg

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Description

Product Name	Recombinant rat Nanos homolog 3 protein
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:519-690aaSequence Info:Partial
Other Names	Constitutive NOS ;cNOSEC-NOEndothelial NOS ;eNOSNOS type III ;NOSIII
Accession No.	Q62600
Uniprot	Q62600
GeneID	24600;
Calculated MW	22.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	ATILYGSETGRAQSYAQQLGRLFRKAFDPRVLCMDEYDVVSLEHEALVLVVTSTFGNGDPPENGESFAAALM EMSGPYNSSPRPEQHKSYKIRFNSVSCSDPLVSSWRRKRKESNTDSAGALGTLRFVFLGSRAYPHFCAP ARAVDTRLEELGGERLLQLQGDELGGQ
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Produces nitric oxide (NO) which is implicated in vascular smooth muscle relaxation through a cGMP-mediated signal transduction pathway. NO mediates vascular endothelial growth factor (VEGF)-induced angiogenesis in coronary vessels and promotes blood clotting through the activation of platelets.

References

Cloning and expression of the rat endothelial nitric oxide synthase.Seidel B., Jiang L., Wolf G. Differential expression and induction of mRNAs encoding two inducible nitric oxide synthases in rat kidney.Mohaupt M.G., Elzie J.L., Ahn K.Y., Clapp W.L., Wilcox C.S., Kone B.C.Kidney Int. 46:653-665(1994)Research Topic:Others

Note: This product is for in vitro research use only