

Recombinant Mus musculus Protein CYR61

Catalog No: #AP72522



Package Size: #AP72522-1 20ug #AP72522-2 100ug #AP72522-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Mus musculus Protein CYR61
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:25-379aaSequence Info:Full Length
Other Names	3CH61CCN family member 1Cysteine-rich angiogenic inducer 61Insulin-like growth factor-binding protein 10 ;IBP-10 ;IGF-binding protein 10 ;IGFBP-10
Accession No.	P18406
Uniprot	P18406
GeneID	16007;
Calculated MW	41.1 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	TCPAACHCPLKAPKCAPGVGLVRDGGCGCKVCAKQLNEDCSKTQPCDHTKGLECNFGASSTALKGICRAQS EGRPCEYNSRIYQNGESFQPNCKHQCTCIDGAVGCIPLCPQELSLPNLGCNPRLVKVSGQCCEEWVCDDED SIKDSLDDQDDLGLDASEVELTRNNELIAIGKGSLLKRLPVFGTEPRVLFNPLHAHGQKIVQTTSWSQCSKS CGTGISTRVTNDNPECRLVKETRICEVPCGQPVYSSLLKGGKCSKTKKSPEPVRFTYAGCSSVKKYRPKYC GSCVDGRCCPLQTRTVKMRFRCEDEGEMFSKNVMMIQSCKCNYNCPHPNEASFRLYSLFNDIHKFRD
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

Promotes cell proliferation, chotaxis, angiogenesis and cell adhesion. Appears to play a role in wound healing by up-regulating, in skin fibroblasts, the expression of a number of genes involved in angiogenesis, inflammation and matrix remodeling including VEGA-A, VEGA-C, MMP1, MMP3, TIMP1, uPA, PAI-1 and integrins alpha-3 and alpha-5 . CYR61-mediated gene regulation is dependent on heparin-binding . Down-regulates the expression of alpha-1 and alpha-2 subunits of collagen type-1 . Promotes cell adhesion and adhesive signaling through integrin alpha-6,beta-1, cell migration through integrin alpha-1,beta-5 and cell proliferation through integrin alpha-v,beta-3 .

References

Promoter function and structure of the growth factor-inducible immediate early gene cyr61.Latinkic B.V., O'Brien T.P., Lau L.F.Nucleic Acids Res. 19:3261-3267(1991)Research Topic:Immunology

Note: This product is for in vitro research use only