Product Datasheet

Recombinant human Thrombospondin-1 protein

Catalog No: #AP71970

Package Size: #AP71970-1 20ug #AP71970-2 100ug #AP71970-3 1mg

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Recombinant human Thrombospondin-1 protein
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:19-344aaSequence Info:Partial
Accession No.	P07996
Uniprot	P07996
GeneID	7057;
Calculated MW	40.6 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	NRIPESGGDNSVFDIFELTGAARKGSGRRLVKGPDPSSPAFRIEDANLIPPVPDDKFQDLVDAVRAEKGFLLLA SLRQMKKTRGTLLALERKDHSGQVFSVVSNGKAGTLDLSLTVQGKQHVVSVEEALLATGQWKSITLFVQEDR AQLYIDCEKMENAELDVPIQSVFTRDLASIARLRIAKGGVNDNFQGVLQNVRFVFGTTPEDILRNKGCSSSTSV LLTLDNNVVNGSSPAIRTNYIGHKTKDLQAICGISCDELSSMVLELRGLRTIVTTLQDSIRKVTEENKELANELRR PPLCYHNGVQYRNNEEWTVDSCTECHCQNS
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

Adhesive glycoprotein that mediates cell-to-cell and cell-to-matrix interactions. Binds heparin. May play a role in dentinogenesis and,or maintenance of dentin and dental pulp . Ligand for CD36 mediating antiangiogenic properties. Plays a role in ER stress response, via its interaction with the activating transcription factor 6 alpha (ATF6) which produces adaptive ER stress response factors .

References

Homo sapiens protein coding cDNA.Totoki Y., Toyoda A., Takeda T., Sakaki Y., Tanaka A., Yokoyama S., Ohara O., Nagase T., Kikuno R.F. Analysis of the DNA sequence and duplication history of human chromosome 15.Zody M.C., Garber M., Sharpe T., Young S.K., Rowen L., O'Neill K., Whittaker C.A., Kamal M., Chang J.L., Cuomo C.A., Dewar K., FitzGerald M.G., Kodira C.D., Madan A., Qin S., Yang X., Abbasi N., Abouelleil A. , Arachchi H.M., Baradarani L., Birditt B., Bloom S., Bloom T., Borowsky M.L., Burke J., Butler J., Cook A., DeArellano K., DeCaprio D., Dorris L. III, Dors M., Eichler E.E., Engels R., Fahey J., Fleetwood P., Friedman C., Gearin G., Hall J.L., Hensley G., Johnson E., Jones C., Kamat A., Kaur A., Locke D.P., Madan A., Munson G., Jaffe D.B., Lui A., Macdonald P., Mauceli E., Naylor J.W., Nesbitt R., Nicol R., O'Leary S.B., Ratcliffe A., Rounsley S., She X., Sneddon K.M.B., Stewart S., Sougnez C., Stone S.M., Topham K., Vincent D., Wang S., Zimmer A.R., Birren B.W., Hood L., Lander E.S., Nusbaum C.Nature 440:671-675(2006)Research Topic:Cell Adhesion

Note: This product is for in vitro research use only