

Recombinant human Interferon-induced transmembrane protein 1

Catalog No: #AP71704

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Package Size: #AP71704-1 20ug #AP71704-2 100ug #AP71704-3 1mg

Description

Product Name	Recombinant human Interferon-induced transmembrane protein 1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-36AASequence Info:Extracellular Domain
Other Names	Dispanin subfamily A member 2a ;DSPA2aInterferon-induced protein 17Interferon-inducible protein 9-27Leu-13 antigen; CD225
Accession No.	P13164
Uniprot	P13164
GeneID	8519;
Calculated MW	31 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MHKEEHEVAVLGPPPSTILPRSTVINIHSETSVPDH
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

IFN-induced antiviral protein which inhibits the entry of viruses to the host cell cytoplasm, permitting endocytosis, but preventing subsequent viral fusion and release of viral contents into the cytosol. Active against multiple viruses, including influenza A virus, SARS coronavirus (SARS-CoV), Marburg virus (MARV), Ebola virus (EBOV), Dengue virus (DNV), West Nile virus (WNV), human immunodeficiency virus type 1 (HIV-1) and hepatitis C virus (HCV). Can inhibit: influenza virus haemagglutinin protein-mediated viral entry, MARV and EBOV GP1,2-mediated viral entry and SARS-CoV S protein-mediated viral entry. Also implicated in cell adhesion and control of cell growth and migration. Plays a key role in the antiproliferative action of IFN-gamma either by inhibiting the ERK activation or by arresting cell growth in G1 phase in a p53-dependent manner. Acts as a positive regulator of osteoblast differentiation

References

A single DNA response element can confer inducibility by both alpha- and gamma-interferons.Reid L.E., Brasnett A.H., Gilbert C.S., Porter A.C.G., Gewert D.R., Stark G.R., Kerr I.M.Proc. Natl. Acad. Sci. U.S.A. 86:840-844(1989)Research Topic:Immunology

Note: This product is for in vitro research use only