

Recombinant Mouse Interferon regulatory factor 8(Irf8)

Catalog No: #AP70452

Package Size: #AP70452-1 20ug #AP70452-2 100ug #AP70452-3 1mg

Description

Product Name	Recombinant Mouse Interferon regulatory factor 8(Irf8)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-424aaSequence Info:Full Length
Other Names	Interferon consensus sequence-binding protein ;ICSBP
Accession No.	P23611
Calculated MW	64.2 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MCDRNGGRRLRQWLIEQIDSSMYPGLIWENDEKTMFRIPWKHAGKQDYNQEVDASIFKAWAVFKGKFKEGD KAEPATWKTRLRCALNKSPDFEEVTDRSQLDISEPYKVYRIVPEEEQKCKLGVAPAGCMSEVPEMECGRSEIE ELIKEPSVDEYMGMTKRSPSPPEACRSQILPDWWVQQPSAGLPLVTGYAAYDTHHSQFQSMVISFYGGKLV GQATTTCLEGCRLSLSQPLPKLYGPDGLEPVCFTADTIPSERQRQVTRKLFHGLERGVLLHSNRKGVFVKR LCQGRVFCSGNAVVCCKGRPNKLERDEVVQVFDTNQFIRELQQFYATQSRLPDSRVVLCFGEEFPDTPVPLRSK LILVQVEQLYARQLVEEAGKSCGAGSLMPALEEPQPDQAFRMFPDICTSHQRPFFRENQQITV
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

Specifically binds to the upstream regulatory region of type I IFN and IFN-inducible MHC class I genes (the interferon consensus sequence (ICS)). Plays a regulatory role in cells of the immune syst. Involved in CD8+ dendritic cell differentiation by forming a complex with the BATF-JUNB heterodimer in immune cells, leading to recognition of AICE sequence (5'-TGANTCA,GAAA-3'), an immune-specific regulatory elent, followed by cooperative binding of BATF and IRF8 and activation of genes.

References

Compensatory dendritic cell development mediated by BATF-IRF interactions.Tussiwand R., Lee W.L., Murphy T.L., Mashayekhi M., Kc W., Albring J.C., Satpathy A.T., Rotondo J.A., Edelson B.T., Kretzer N.M., Wu X., Weiss L.A., Glasmacher E., Li P., Liao W., Behnke M., Lam S.S., Aurthur C.T. , Leonard W.J., Singh H., Stallings C.L., Sibley L.D., Schreiber R.D., Murphy K.M.Nature 490:502-507(2012)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.