

Recombinant Mouse IRF8 Protein (1-424 aa), His-SUMO-tagged

Cat. No. IRF8-586M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IRF8 Protein (1-424 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.
Species	Mouse
Source	E.coli
ProteinLength	1-424 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	64.2 kDa
AA Sequence	MCDRNGGRRLRQWLIEQIDSSMYPGLIWENDEKTMFRIPWKHAGKQDYNQEVDASI FKAWAVFKGKFKEGDKAEPATWKTRLRCALNKSPDFEEVTDQRSQLDISEPYKVYRIV PEEEQKCKLGVAPAGCMSEVPEMECGRSEIEELIKEPSVDEYMGMTKRSPSPPEAC RSQILPDWWVQQPSAGLPLVTGYAAYDTHHSAFSQMVISFYGGKLVGQATTTCLE

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GCRLSLSQPGLPKLYGPDGLEPVCFTADTIPSERQRQVTRKLFHGLERGVLLHSN
 RKGVFVKRLCQGRVFCSGNAVVCCKGRPNKLERDEVVQVFDTNQFIRELQQFYATQ
 SRLPDSRVVLCFGEEFPDTVPLRSKLILVQVEQLYARQLVEEAGKSCGAGSLMPALE
 EPQPDQAFRMFPDICTSHQRPFFRENQQITV

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name [Irf8 interferon regulatory factor 8 \[Mus musculus \]](#)

Official Symbol [IRF8](#)

Synonyms IRF8; MyIs; ICSBP; IRF-8; Icsbp1; AI893568;

Gene ID [15900](#)

mRNA Refseq [NM_008320](#)

Protein Refseq [NP_032346](#)

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UniProt ID

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