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Datasheet for ABIN5712704 ISG15 Protein (AA 2-157) (His tag)

Image



Overview

| Quantity: | 100 µg |
|-------------------------------|--|
| Target: | ISG15 |
| Protein Characteristics: | AA 2-157 |
| Origin: | Mouse |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This ISG15 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS) |

Product Details

| Sequence: | GWDLTVKMLA GNEFQVSLSS SMSVSELKAQ ITQKIGVHAF QQRLAVHPSG VALQDRVPLA | | | | |
|---------------|---|--|--|--|--|
| | SQGLGPGSTV LLVVDKCDEP LSILVRNNKG RSSTYEVRLT QTVAHLKQQV SGLEGVQDDL | | | | |
| | FWLTFEGKPL EDQLPLGEYG LKPLSTVFMN LRLRGG | | | | |
| Purification: | SDS-PAGE | | | | |
| Purity: | > 90 % | | | | |

Target Details

| Target: | ISG15 | |
|-------------------|--|--|
| Alternative Name: | ISG15 (ISG15 Products) | |
| Background: | Ubiquitin-like protein which plays a key role in the innate immune response to viral infection | |
| | either via its conjugation to a target protein (ISGylation) or via its action as a free or | |

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| Molecular Weight: | 21.1 kDa |
|-------------------|---|
| | antimycobacterial immunity |
| | neutrophils and act as a IFN-gamma-inducing cytokine playing an essential role in |
| | secreted form of ISG15 can: induce natural killer cell proliferation, act as a chotactic factor for |
| | response, often denoted as the cytokine storm. Plays a role in erythroid differentiation. The |
| | consequences of Chikungunya virus infection by downregulating the pathogenic cytokine |
| | putative immunomodulator of proinflammatory cytokines. Protects mice against the |
| | significant role in the control of neonatal Chikungunya virus (CHIKV) infection by acting as a |
| | including influenza A and B virus, sindbis virus (SV) and herpes simplex type-1 (HHV-1). Plays a |
| | translation-inhibition activity. Exhibits antiviral activity towards both DNA and RNA viruses, |
| | antiviral signaling response and EIF4E2 which enhances its cap structure-binding activity and |
| | STAT5A, MAPK1/ERK2 and globin. Can also isgylate: DDX58/RIG-I which inhibits its function in |
| | protein. Its target proteins include SERPINA3G/SPI2A, JAK1, MAPK3/ERK1, PLCG1, TRIM25, |
| | and E3 enzymes which catalyze the conjugation of ISG15 to a lysine residue in the target |
| | unconjugated protein. ISGylation involves a cascade of enzymatic reactions involving E1, E2, |

UniProt:

Q64339

rot:

Application Details

| Application Notes: | Optimal working dilution should be determined by the investigator. |
|--------------------|--|
| Restrictions: | For Research Use only |

Handling

| Format: | Liquid |
|------------------|---|
| Concentration: | 0.1-2 mg/mL |
| Buffer: | 20 mM Tris-HCl based buffer, pH 8.0 |
| Storage: | -80 °C,4 °C,-20 °C |
| Storage Comment: | Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |



| SDS-PAGE | | |
|----------|--|--|
| Image 1. | | |
| | | |

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