

Recombinant Human TRIM21/SS-A protein (Tagged) ab114611

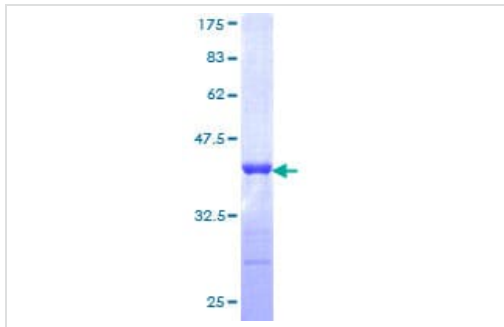
1 图像

| 描述 | |
|-----------|---|
| 产品名称 | 重组人TRIM21/SS-A蛋白(Tagged) |
| 纯度 | >= 80 % Purified via GST Tag. Glutathione Sepharose |
| 表达系统 | Wheat germ |
| Accession | <u>P19474</u> |
| 蛋白长度 | Protein fragment |
| 无动物成分 | No |
| 性质 | Recombinant |
| 种属 | Human |
| 序列 | QLANMVNNLKEISQEAREGTQGERCAVHGERLHLFCEKDGKA LCWVCAQS RKHRDHAMVPLEEAAQEYQEKLQVALGELRRKQELAEKLEVE IAIKRADW KKTVETQK |
| 预测分子量 | 38 kDa including tags |
| 氨基酸 | 68 to 175 |
| 标签 | GST tag N-Terminus |

| 技术指标 | |
|--|---|
| Our <u>Abpromise guarantee</u> covers the use of ab114611 in the following tested applications. | |
| The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user. | |
| 应用 | ELISA SDS-PAGE Western blot |
| 形式 | Liquid |
| 补充说明 | This product was previously labelled as TRIM21. |

制备和贮存

| | |
|---------------|---|
| 稳定性和存储 | <p>Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.</p> <p>pH: 8.00</p> <p>Constituents: 0.3% Glutathione, 0.79% Tris HCl</p> |
| 常规信息 | |
| 功能 | <p>E3 ubiquitin-protein ligase whose activity is dependent on E2 enzymes, UBE2D1, UBE2D2, UBE2E1 and UBE2E2. Forms a ubiquitin ligase complex in cooperation with the E2 UBE2D2 that is used not only for the ubiquitination of USP4 and IKBKB but also for its self-ubiquitination. Component of cullin-RING-based SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complexes such as SCF(SKP2)-like complexes. A TRIM21-containing SCF(SKP2)-like complex is shown to mediate ubiquitination of CDKN1B ('Thr-187' phosphorylated-form), thereby promoting its degradation by the proteasome. Monoubiquitinates IKBKB that will negatively regulates Tax-induced NF-kappa-B signaling. Negatively regulates IFN-beta production post-pathogen recognition by polyubiquitin-mediated degradation of IRF3. Mediates the ubiquitin-mediated proteasomal degradation of IgG1 heavy chain, which is linked to the VCP-mediated ER-associated degradation (ERAD) pathway. Promotes IRF8 ubiquitination, which enhanced the ability of IRF8 to stimulate cytokine genes transcription in macrophages. Plays a role in the regulation of the cell cycle progression. Enhances the decapping activity of DCP2. Exists as a ribonucleoprotein particle present in all mammalian cells studied and composed of a single polypeptide and one of four small RNA molecules. At least two isoforms are present in nucleated and red blood cells, and tissue specific differences in RO/SSA proteins have been identified. The common feature of these proteins is their ability to bind HY RNAs.2.</p> |
| 组织特异性 | <p>Isoforms 1 and 2 are expressed in fetal and adult heart and fetal lung.</p> |
| 通路 | <p>Protein modification; protein ubiquitination.</p> |
| 序列相似性 | <p>Belongs to the TRIM/RBCC family.</p> <p>Contains 1 B box-type zinc finger.</p> <p>Contains 1 B30.2/SPRY domain.</p> <p>Contains 1 RING-type zinc finger.</p> |
| 结构域 | <p>The coiled-coil is necessary for the cytoplasmic localization. The B30.2/SPRY domain is necessary for the cytoplasmic localization, the interaction with IRF3 and for the IRF3-driven interferon beta promoter activity. The RING-type zinc finger is necessary for ubiquitination and for the IRF3-driven interferon beta promoter activity. Interacts with SKP2 and CUL1 in a RING finger-independent manner.</p> |
| 翻译后修饰 | <p>Autoubiquitinated; does not lead to its proteasomal degradation. Deubiquitinated by USP4; leading to its stabilization.</p> |
| 细胞定位 | <p>Cytoplasm. Nucleus. Cytoplasm > P-body. Enters the nucleus upon exposure to nitric oxide. Localizes to small dot- or rod-like structures in the cytoplasm, called cytoplasmic bodies (P-body) that are located underneath the plasma membrane and also diffusely in the cytoplasm and are highly motil in cells. Cytoplasmic bodies are located along the microtubules and do not share the same cytoplasmic bodies with TRIM5. Colocalizes with DCP2 in P-body.</p> |
| 图片 | |



SDS-PAGE - Recombinant Human TRIM21/SS-A protein (ab114611)

ab114611 analysed on a 12.5% SDS-PAGE stained with Coomassie Blue.

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