

# Recombinant Human WSTF protein ab196113

画像数 1

### 製品の詳細

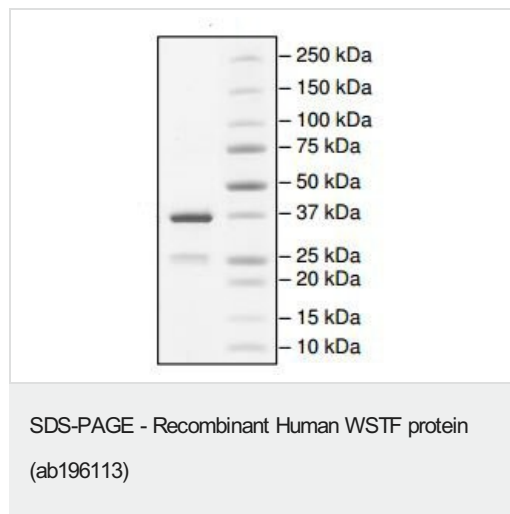
製品名	Recombinant Human WSTF protein
精製度	>= 80 % SDS-PAGE.
発現系	Escherichia coli
アクセッション番号	<u><b>Q9UIG0</b></u>
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	<p>MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWR</p> <p>NKKFELGL</p> <p>EFPNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAET</p> <p>SMLEGAVL</p> <p>DIRYGVSRIAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTY</p> <p>LNGDHVTH</p> <p>PDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIPIQIDKY</p> <p>LKSSKYIA</p> <p>WPLQGWQATFGGGDHPKSDLEVLFQGPLGSKRSSRRQSLEL</p> <p>QKCEEILH</p> <p>KIVKYRFSWPFREPVTREDAEDYYDVITHPMDFQTVQNKCS</p> <p>GSYRSVQE</p> <p>FLTDMKQVFTNAEVYNCRGSHVLSMVKTEQCLVALLHKHLP</p> <p>GHPYV</p>
予測される分子量	41 kDa including tags
領域	1335 to 1450
タグ	GST tag N-Terminus
配列の追加情報	Bromodomain (NM_032408).

### 特性

Our **Abpromise guarantee** covers the use of **ab196113** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	SDS-PAGE
製品の状態	Liquid
前処理および保存	
保存方法および安定性	<p>Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle.</p> <p>pH: 8.00</p> <p>Constituents: 0.63% Tris HCl, 0.64% Sodium chloride, 0.02% Potassium chloride, 0.04% Tween, 20% Glycerol (glycerin, glycerine)</p>
関連情報	
機能	<p>Atypical tyrosine-protein kinase that plays a central role in chromatin remodeling and acts as a transcription regulator. Involved in DNA damage response by phosphorylating 'Tyr-142' of histone H2AX (H2AXY142ph). H2AXY142ph plays a central role in DNA repair and acts as a mark that distinguishes between apoptotic and repair responses to genotoxic stress. Essential component of the WICH complex, a chromatin remodeling complex that mobilizes nucleosomes and reconfigures irregular chromatin to a regular nucleosomal array structure. The WICH complex regulates the transcription of various genes, has a role in RNA polymerase I and RNA polymerase III transcription, mediates the histone H2AX phosphorylation at 'Tyr-142', and is involved in the maintenance of chromatin structures during DNA replication processes. In the complex, it mediates the recruitment of the WICH complex to replication foci during DNA replication. Also involved in vitamin D-coupled transcription regulation via its association with the WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene. In the WINAC complex, plays an essential role by targeting the complex to acetylated histones, an essential step for VDR-promoter association.</p>
組織特異性	Ubiquitously expressed with high levels of expression in heart, brain, placenta, skeletal muscle and ovary.
関連疾患	<p>Note=BAZ1B is located in the Williams-Beuren syndrome (WBS) critical region. WBS results from a hemizygous deletion of several genes on chromosome 7q11.23, thought to arise as a consequence of unequal crossing over between highly homologous low-copy repeat sequences flanking the deleted region. Haploinsufficiency of BAZ1B may be the cause of certain cardiovascular and musculo-skeletal abnormalities observed in the disease.</p>
配列類似性	<p>Belongs to the WAL family. BAZ1B subfamily.</p> <p>Contains 1 bromo domain.</p> <p>Contains 1 DDT domain.</p> <p>Contains 1 PHD-type zinc finger.</p> <p>Contains 1 WAC domain.</p>
発生段階	Expressed at equal levels in 19-23 weeks old fetal tissues.
ドメイン	<p>The N-terminal part (1-345), including the WAC domain and the C motif, mediates the tyrosine-protein kinase activity.</p> <p>The bromo domain mediates the specific interaction with acetylated histones.</p>
翻訳後修飾	Phosphorylated upon DNA damage, probably by ATM or ATR.
細胞内局在	Nucleus. Accumulates in pericentromeric heterochromatin during replication. Targeted to replication foci throughout S phase via its association with PCNA.



4-20% SDS-PAGE analysis of 2 µg ab196113 with Coomassie staining.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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