

Recombinant Human STUB1/CHIP protein ab82791

1 References 2 Images

Description

Product name	Recombinant Human STUB1/CHIP protein		
Purity	> 90 % SDS-PAGE.		
Expression system	Escherichia coli		
Protein length	Full length protein		
Animal free	No		
Nature	Recombinant		
Species	Human		
Sequence	MKGKEEKEGG ARLGAGGGSP EKSPSAQELK EQGNRLFVGR KYPEAAACYG RAITRNPLVA VYYTNRALCY LKMQQHEQAL ADCRRALELD GQSVKAHFFL GQCQLEMESY DEAIANLQRA YSLAKEQRLN FGDDIPSALR IAKKKRWNSI EERRIHQESE LHSYLSRLIA AERERELEEC QRNHEGDEDD SHVRAQQACI EAKHDKYMAD MDELFSQVDE KRKKRDIPDY LCGKISFELM REPCITPSGI TYDRKDIEEH LQRVGHFDPV TRSPLTQEQL IPNLAMKEVI DAFISENGWV EDY		
Amino acids	1 to 303		

Specifications

Our **Abpromise guarantee** covers the use of **ab82791** in the following tested applications.

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

Applications	SDS-PAGE Western blot
Form	Liquid
Additional notes	Previously labelled as STUB1.

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

pH: 7.50

Constituents: 0.077% DTT, 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine)

General Info

Function

E3 ubiquitin-protein ligase which targets misfolded chaperone substrates towards proteasomal degradation. Ubiquitinates NOS1 in concert with Hsp70 and Hsp40. Modulates the activity of several chaperone complexes, including Hsp70, Hsc70 and Hsp90. Mediates transfer of non-canonical short ubiquitin chains to HSPA8 that have no effect on HSPA8 degradation. Mediates polyubiquitination of DNA polymerase beta (POLB) at 'Lys-41', 'Lys-61' and 'Lys-81', thereby playing a role in base-excision repair: catalyzes polyubiquitination by amplifying the HUWE1/ARF-BP1-dependent monoubiquitination and leading to POLB-degradation by the proteasome. Mediates polyubiquitination of CYP3A4.

Tissue specificity

Highly expressed in skeletal muscle, heart, pancreas, brain and placenta. Detected in kidney, liver and lung.

Pathway

Protein modification; protein ubiquitination.

Sequence similarities

Contains 3 TPR repeats.

Contains 1 U-box domain.

Domain

The TPR domain is essential for ubiquitination mediated by UBE2D1.

Post-translational modifications

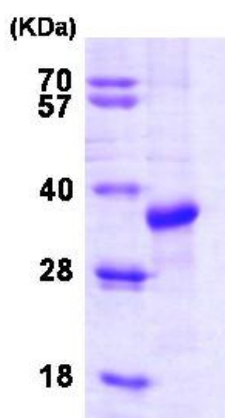
Phosphorylated upon DNA damage, probably by ATM or ATR.

Auto-ubiquitinated; mediated by UBE2D1 and UBE2D2.

Cellular localization

Cytoplasm.

Images



15% SDS-PAGE showing ab82791 at approximately 34.8kDa (3µg).

SDS-PAGE - Recombinant Human STUB1/CHIP protein (ab82791)



Western blot - Recombinant Human STUB1/CHIP protein (ab82791)

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