

Recombinant Human SYVN1/HRD1 protein ab132449

[1 Image](#)

Description

Product name	Recombinant Human SYVN1/HRD1 protein
Expression system	Wheat germ
Accession	<u>Q86TM6</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<pre> MFRTAVMMAASLALTGAVVAHAYLKHQFYPTVVYLTKSS PSMAVLYIQA FVLVFLLGKVMGKVFFGQLRAAEMEHLERSWYAVTETC LAFTVFRDDFS PRFVALFTLLFLKCFHWLAEDRVD FMERSPNISWLFHCR VSLMFLLGI LDFLFVSHAYHSILTRGASVQLVFGFEYAILMTMVLTIKYY LHSVDLQ SENPWDNKAVYMLYTELFTGFIKVLLYMAFMTIMIKVHTFPL FAIRPMYL AMRQFKKAVTDAIMSRRAIRNMNTLYPDATPEELQAMDNV CIICREEMVT GAKRLPCNHIFHTSCLRSWFQRQQTCTCRMDVLRASLP AQSPPPPEPAD QGPPPAPHPPPLLPQPPNFPQGLLPPFPPGMFPLWPPM GPFPPVPPPPSS GEAVAPPSTSAALSRPSGAATTTAAGTSATAASATASG PGSGSAPEAGP APGFPPPPWMGMPLPPPFAPPPMPVPPAGFAGLTPEE LRALEGHERQHL EARLQSLRNIHTLLDAAMLQINQYLTVLASLGPPRPATSVN STEETATTV VAAASSTSISSSEATTPTPGASPPAPEMERPPAPESVGT EEMPEDGEFDA AELRRRRLQKLESPVAH </pre>
Predicted molecular weight	94 kDa including tags
Amino acids	1 to 617
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab132449** in the following tested applications.

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

Applications	ELISA Western blot SDS-PAGE
Form	Liquid
Additional notes	This product was previously labelled as SYVN1.

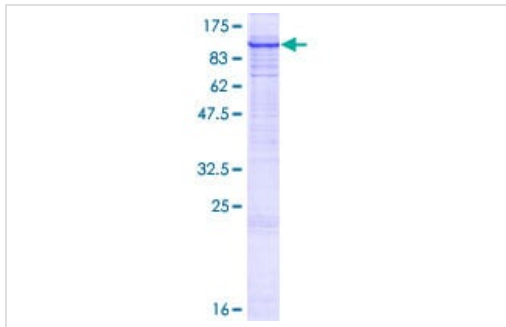
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function	Acts as an E3 ubiquitin-protein ligase which accepts ubiquitin specifically from endoplasmic reticulum-associated UBC7 E2 ligase and transfers it to substrates, promoting their degradation. Component of the endoplasmic reticulum quality control (ERQC) system also called ER-associated degradation (ERAD) involved in ubiquitin-dependent degradation of misfolded endoplasmic reticulum proteins. Also promotes the degradation of normal but naturally short-lived proteins such as SGK. Protects cells from ER stress-induced apoptosis. Protects neurons from apoptosis induced by polyglutamine-expanded huntingtin (HTT) or unfolded GPR37 by promoting their degradation. Sequesters p53/TP53 in the cytoplasm and promotes its degradation, thereby negatively regulating its biological function in transcription, cell cycle regulation and apoptosis.
Tissue specificity	Ubiquitously expressed, with highest levels in liver and kidney (at protein level). Up-regulated in synovial tissues from patients with rheumatoid arthritis (at protein level).
Pathway	Protein modification; protein ubiquitination.
Sequence similarities	Belongs to the HRD1 family. Contains 1 RING-type zinc finger.
Domain	The RING-type zinc finger is required for E3 ligase activity.
Post-translational modifications	Not N-glycosylated. Auto-ubiquitinated.
Cellular localization	Endoplasmic reticulum membrane.

Images



12.5% SDS-PAGE analysis of ab132449 stained with Coomassie Blue.

SDS-PAGE - Recombinant Human SYVN1/HRD1 protein (ab132449)

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

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