

Product datasheet

Recombinant Human RanBP3 protein ab131887

1 Image

Overview

Product name	Recombinant Human RanBP3 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Accession	Q9H6Z4
Species	Human
Sequence	<p>MADLANEEKPAIAPPVVFVQKDKGQKRSAGGSSPEG GEDSDREDGNYCPP VKRERTSSLTQFPPSQSEERSSGFRLKPPTLIHQAP SAGLPSQKPKEQQ RSVLRPAVLQAPQPKALSQTPSSGTNGVSLPADCT GAVPAASPDTAAWR SPSEAADEVCALEEKEPQKNESSNASEEEACEKKDP ATQQAFVFGQNLRD RVKLINESVDEADMENAGHPSADTPTATNYFLQYISS LENSTNSADASS NKFVFGQNMSEVLSPPKLNEVSSDANRENAEAESG SESSSQEATPEKES LAESAAAYTKATARKCLLEKVEVITGEEAESNVLQMQ CKLFVFDKTSQSW LLRHPHPSHPAVGPCLCGEQPALCPCPLPNYRPGT PAQLGGLLVRV</p>
Molecular weight	69 kDa including tags
Amino acids	1 to 397

Specifications

Our [Abpromise guarantee](#) covers the use of **ab131887** in the following tested applications.

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

Applications	Western blot SDS-PAGE ELISA
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 ug/ul.

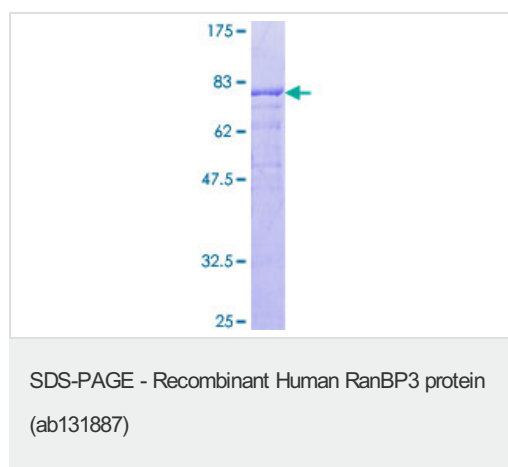
Preparation and Storage

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 a cofactor for XPO1/CRM1-mediated nuclear export, perhaps as export complex scaffolding protein. Bound to XPO1/CRM1, stabilizes the XPO1/CRM1-cargo interaction. In the absence of Ran-bound GTP prevents binding of XPO1/CRM1 to the nuclear pore complex. Binds to CHC1/RCC1 and increases the guanine nucleotide exchange activity of CHC1/RCC1. Recruits XPO1/CRM1 to CHC1/RCC1 in a Ran-dependent manner. Negative regulator of TGF-beta signaling through interaction with the R-SMAD proteins, SMAD2 and SMAD3, and mediating their nuclear export.
Tissue specificity	Widely expressed with high levels in testis and heart.
Sequence similarities	Contains 1 RanBD1 domain.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Cytoplasm. Nucleus.

Images



12.5% SDS-PAGE stained with Coomassie Blue showing ab131887 at approximately 68.8 kDa.

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

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