

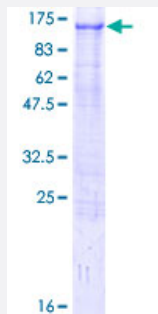
Full-Length

ZFYVE9 (Human) Recombinant Protein (P02)

Catalog # H00009372-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ZFYVE9 full-length ORF (NP_015562.1, 1 a.a. - 762 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MENYFQAEAYNLDKVLDEFEQNEDETVSSTLLDTKWNKILDPPSHRLSFNPTLASVNESAVSNES
QPQLKVFSLAHSAPLTTEEDHCANGQDCNLNPEIATMWIDENAVAEDQLIKRNYSWDDQCSAV
EVGEKKCGNLACLPDEKNVLVAVMHNC DKRTLQNDLQDCNNYNSQSLMDAFSCSLDNENRQ
TDQFSFSINESTE KDMNSEKQMDPLNRPKTEGRSVNHLCP TSSDSLAVCSPSQLKDDGSIGRD
PSMSAITSLTVDSVISSQGTGCPAVKKQENYPDEDLTGKISSPRD LGSPNSFSHMSEGILMKK
EPAEESTTEESLRSGPLLLLKPDMPNGSGRNDCERCSDCLVPNEVRADENEGYEHEETLGTTE
FLNMTEHFSESQDMTNWKLTKLNEMNDSQVNEEKEKFLQISQPEDTNGDSGGQCVGLADAGLD
LKGTCISESEECDFSTVIDTPAANYLSNGCDSYGMQDPGVSFVPKTLPSKEDSVTEEKEIEESKS
ECYSNIYEQRGNEATEGSGLLLNSTGDLMKKNYLHNFC SQVPSVLGQSSPKVVASLPSISVPFGG
ARPKQPSNLKLQIPKPLSDHLQNDFPANS GNNTKNKNDILGKAKLGENSATNVCSPSLGNISNVD
TNGEHLESYEAISTRPC LALAPDSPDNDLRAGQFGISARKPFTTLGEVAPVWVPDSQAPNCMK
CEARFTFTKRRHHCACGKVFCASCCSLKCKLLYMDRKEARVCVICHSVLMNGKY

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

110.1

Interspecies Antigen Sequence

Mouse (94); Rat (75)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ZFYVE9

Entrez GeneID	9372
GeneBank Accession#	NM_007323.1
Protein Accession#	NP_015562.1
Gene Name	ZFYVE9
Gene Alias	MADHIP, NSP, SARA, SMADIP
Gene Description	zinc finger, FYVE domain containing 9
Omim ID	603755
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a double zinc finger (FYVE domain) protein that interacts directly with SMAD2 and SMAD3, and is involved in Alzheimer's disease. SMAD proteins transmit signals from transmembrane serine/threonine kinase receptors to the nucleus. The FYVE domain has been identified in a number of unrelated signaling molecules. This protein functions to recruit SMAD2 to the transforming growth factor-beta receptor. The FYVE domain is required to maintain the normal localization of this protein but is not involved in mediating interaction with SMADs. The C-terminal domain of this protein interacts with the TGFBR2 receptor. This protein is a component of the TGFBR2 pathway that brings the SMAD substrate to the receptor. Three alternatively spliced transcripts encoding distinct isoforms have been found for this gene. [provided by RefSeq]

Other Designations

MAD homolog interacting protein|MAD, mothers against decapentaplegic homolog interacting protein, receptor activation anchor|MADH-interacting protein|OTTHUMP00000009739|OTTHUMP00000009740|OTTHUMP00000009741|mothers against decapentaplegic homolog interact

Pathway

- [TGF-beta signaling pathway](#)