

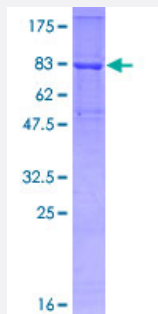
Full-Length

TRAF6 (Human) Recombinant Protein (P01)

Catalog # H00007189-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human TRAF6 full-length ORF (AAH31052.1, 1 a.a. - 522 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSLLNCENSCGFSQSESDCCVAMASSCSAVTKDDSVGGTASTGNLSSSFMEIIQGYDVEFDPP
LESKYECPICLMALREAVQTPCGHRFCKACIKSIRDAGHKCPVDNEILLENQLFPDNFAKREILSL
MVKCPNEGCLHKMELRHLEDHQAHCFAIMDCPQCQRPFQKFHINIHLKDCPRRQVSCDNCAA
SMAFEDKEIHDQNCPLANVICEYCNTILIREQMPNHYDLDCPTAPICTFSTFGCHEKMQRNHLAR
HLQENTQSHMRMLAQAVHSLSVIPDSGYSEVRNFQETIHQLEGRLLVRQDHQIRELTAKMETQSMY
VSELKRTIRTLEDKVAEIEAQQCNGYWKIGNFGMHLKCQEEKPVVIHSPGFYTGKPGYKLCMRL
HLQLPTAQRCANYISLFVHTMQGEYDHLPPWPFQGTIRLTLDQSEAPVRQNHEEIMDAKPELLAF
QRPTIPRNPKGFGYVTFMHLEALRQRTFIKDDTLLVRCEVSTRFDMGSLRREGFQPRSTDAGV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

86

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 — TRAF6

Entrez GeneID[7189](#)**GeneBank Accession#**[BC031052.1](#)**Protein Accession#**[AAH31052.1](#)**Gene Name**

TRAF6

Gene Alias

MGC:3310, RNF85

Gene Description

TNF receptor-associated factor 6

Omim ID[602355](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a member of the TNF receptor associated factor (TRAF) protein family. TRAF proteins are associated with, and mediate signal transduction from members of the TNF receptor superfamily. This protein mediates the signaling not only from the members of the TNF receptor superfamily, but also from the members of the Toll/IL-1 family. Signals from receptors such as CD40, TNFSF11/RANCE and IL-1 have been shown to be mediated by this protein. This protein also interacts with various protein kinases including IRAK1/IRAK, SRC and PKCzeta, which provides a link between distinct signaling pathways. This protein functions as a signal transducer in the NF-kappaB pathway that activates I kappa B kinase (IKK) in response to proinflammatory cytokines. The interaction of this protein with UBE2N/UBC13, and UBE2V1/UEV1A, which are ubiquitin conjugating enzymes catalyzing the formation of polyubiquitin chains, has been found to be required for IKK activation by this protein. Two alternatively spliced transcript variants encoding identical proteins have been reported. [provided by RefSeq]

Other Designations

-

Publication Reference

- [Regulation of death receptor signaling by the autophagy protein TP53INP2.](#)

Ivanova S, Polajnar M, Narbona-Perez AJ, Hernandez-Alvarez MI, Frager P, Slobodnyuk K, Plana N, Nebreda AR, Palacin M, Gomis RR, Behrends C, Zorzano A.

The EMBO Journal 2019 May; 38(10):e99300.

Application: PI, Recombinant protein

- [Non-canonical inhibition of DNA damage-dependent ubiquitination by OTUB1.](#)

Nakada S, Tai I, Panier S, Al-Hakim A, Iemura S, Juang YC, O'Donnell L, Kumakubo A, Munro M, Sicheri F, Gingras AC, Natsume T, Suda T, Durocher D.

Nature 2010 Aug; 466(7309):941.

Application: Func, Recombinant protein

Pathway

- [Endocytosis](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)
- [Toll-like receptor signaling pathway](#)
- [Ubiquitin mediated proteolysis](#)

Disease

- [Alzheimer disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Carcinoma](#)

- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hodgkin Disease](#)
- [Hypersensitivity](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Metabolic Syndrome X](#)
- [Multiple Myeloma](#)
- [Narcolepsy](#)
- [Neoplasms](#)
- [Occupational Diseases](#)
- [Osteoporosis](#)
- [Thyroid Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)