

TRAF6 Protein, Human, Recombinant (His & SUMO)

General Information

Synonyms:	Interleukin-1 signal transducer;RING-type E3 ubiquitin transferase TRAF6;TRAF6;RNF85;TNF receptor-associated factor 6;E3 ubiquitin-protein ligase TRAF6;RING finger protein 85
Protein Construction:	1-522 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q9Y4K3
Molecular Weight:	75.6 kDa (predicted)
AA Sequence:	<p>MSLLNCENSCGSSQSESDCCVAMASSCSAVTKDDSVGGTASTGNLSSSFMEEIQGYDVEFDPPLESKYECPICLMALREAVQTPCGHRFCKACIIKSIRDAGHKCPVDNEILLENQLFPDNFAKREILSLMVKCPNEGCLHKMELRHLEDHQAHC EFALMDCPQCQRPFQKFHINIHLKDCPRRQVSCDNCAASMAFEDKEIHDQNCPLANVICEYCN TILIREQMPNH YDLDCPTAPICTFSTFGCHEKMQRNHLARHLQENTQSHMRMLAQAVHLSVIPDSGYISEV RNFQETIHQLEGR LVRQDHQIRELTAKMETQSMYVSELKRTIRTLEDKVAEIEAQQCNGIYIWKIGNFGMHLKC QEEKPVVIHSPGFYTGKPGYKLCMRLHLQLPTAQRCANYISL FVHTMQGEYD SHLPWPFQGTIRLTILDQSE APVRQNHEEIMDAKPELLAFQRPTIPRNP KGFYVTFMHLEALRQRTFIKDDTLLVRCEVSTRFDMGSLRREGF QPRSTDAGV</p>

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

E3 ubiquitin ligase that, together with UBE2N and UBE2V1, mediates the synthesis of 'Lys-63'-linked-polyubiquitin chains conjugated to proteins, such as IKBKG, IRAK1, AKT1 and AKT2. Also mediates ubiquitination of free/unanchored polyubiquitin chain that leads to MAP3K7 activation. Leads to the activation of NF-kappa-B and JUN. Seems to also play a role in dendritic cells (DCs) maturation and/or activation. Represses c-Myb-mediated transactivation, in B-lymphocytes. Adapter protein that seems to play a role in signal transduction initiated via TNF receptor, IL-1 receptor and IL-17 receptor. Regulates osteoclast differentiation by mediating the activation of adapter protein complex 1 (AP-1) and NF-kappa-B, in response to RANK-L stimulation. Together with MAP3K8, mediates CD40 signals that activate ERK in B-cells and macrophages, and thus may play a role in the regulation of immunoglobulin production.

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