Product name: Recombinant human Soluble TNF Receptor II protein

Biological activity: Determined by its inhibitory effect of the TNF-α mediated cytotoxicity in murine L-929 cells. The ED_{50} for this effect in the presence of 0.25 ng/ml of Recombinant Human TNF-α, is 0.125 μg/mL.

Purity: > 98% SDS-PAGE. Sterile filtered. Greater than 98% pure by SDS-PAGE and HPLC analyses.

Endotoxin level: < 0.100 Eu/μg

Expression system: Escherichia coli

Accession: P20333

Protein length: Protein fragment

Animal free: No

Nature: Recombinant

Species: Human

Sequence:

MAPEPGSTCR LREYYDQTAQ MCCSKCSPGQ
HAKVFCKTTS DTVCDSCEDS TYTQLWNWVP
ECLSCGSRCS SDQVETQACT REQNRICTCR
PGWYCALSQK EGCRLCAPLR KCRPGFGVAR
PGTETSDVVC KPCAPGTFSN TTSSTDICRP
HQICNVVAIP GNASMDAVCT STSP

Predicted molecular weight: 19 kDa

Specifications

Our Abpromise guarantee covers the use of ab640 in the following tested applications.

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

Applications: SDS-PAGE

Form: Lyophilised

Preparation and Storage
**Stability and Storage**  
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.  
n/a  
This product is an active protein and may elicit a biological response in vivo, handle with caution.

**Reconstitution**  
Reconstitute by adding 200ul dH2O

**General Info**

**Function**  
Receptor with high affinity for TNFSF2/TNF-alpha and approximately 5-fold lower affinity for homotrimeric TNFSF1/lymphotoxin-alpha. The TRAF1/TRAF2 complex recruits the apoptotic suppressors BIRC2 and BIRC3 to TNFRSF1B/TNFR2. This receptor mediates most of the metabolic effects of TNF-alpha. Isoform 2 blocks TNF-alpha-induced apoptosis, which suggests that it regulates TNF-alpha function by antagonizing its biological activity.

**Sequence similarities**  
Contains 4 TNFR-Cys repeats.

**Post-translational modifications**  
Phosphorylated; mainly on serine residues and with a very low level on threonine residues.  
A soluble form (tumor necrosis factor binding protein 2) is produced from the membrane form by proteolytic processing.

**Cellular localization**  
Secreted and Cell membrane.

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

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet  
- Valid for 12 months from date of delivery  
- Response to your inquiry within 24 hours  
- We provide support in Chinese, English, French, German, Japanese and Spanish  
- Extensive multi-media technical resources to help you  
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit [https://www.abcam.com/abpromise](https://www.abcam.com/abpromise) or contact our technical team.

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