

## Active Recombinant Human TNFRSF1B Protein

**Cat. No.** TNFRSF1B-01H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human TNFRSF1B protein without tag was expressed in E. coli. The TNFR2 is purified by proprietary chromatographic techniques.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 24-206 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein and TNF-receptor 1 form a heterocomplex that mediates the recruitment of two anti-apoptotic proteins, c-IAP1 and c-IAP2, which possess E3 ubiquitin ligase activity. The function of IAPs in TNF-receptor signalling is unknown, however, c-IAP1 is thought to potentiate TNF-induced apoptosis by the ubiquitination and degradation of TNF-receptor-associated factor 2, which mediates anti-apoptotic signals. Knockout studies in mice also suggest a role of this protein in protecting neurons from apoptosis by stimulating antioxidative pathways. |
| <b>Form</b>             | Sterile Filtered White lyophilized (freeze-dried) powder.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Bio-activity</b>     | The ED50 as determined by its ability to inhibit the TNF-a mediated cytotoxicity in the L-929 cells is less than 0.2 µg/mL, corresponding to a specific activity of > 5000 IU/mg in the presence of 0.25 ng/mL of rHuTNF-a.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 20 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AA Sequence</b>    | MPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDSTYTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSQKEGCRLCAPLRKCRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASMDAVCTSTSPT.                                                                                                                                                                        |
| <b>Purity</b>         | Greater than 97.0% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                    |
| <b>Stability</b>      | Lyophilized TNFR2 although stable at room temperature for 3 weeks, should be stored desiccated below -18 centigrade. Upon reconstitution TNFR2 should be stored at 4 centigrade between 2-7 days and for future use below -18 centigrade. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles. |
| <b>Storage Buffer</b> | Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH7.4.                                                                                                                                                                                                                                                                                          |
| <b>Reconstitution</b> | It is recommended to reconstitute the lyophilized TNFR2 in sterile 18M-cm H2O not less than 100 µg/mL, which can then be further diluted to other aqueous solutions.                                                                                                                                                                                             |
| <b>Shipping</b>       | Shipped at Room temp.                                                                                                                                                                                                                                                                                                                                            |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TNFRSF1B TNF receptor superfamily member 1B [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                                |
| <b>Official Symbol</b> | TNFRSF1B TNF receptor superfamily member 1B [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>        | TNFRSF1B; TNF receptor superfamily member 1B; p75; TBPII; TNFBR; TNFR2; CD120b; TNFR1B; TNFR80; TNF-R75; p75TNFR; TNF-R-II; tumor necrosis factor receptor superfamily member 1B; TNF-R2; TNF-RII; p75 TNF receptor; p80 TNF-alpha receptor; tumor necrosis factor beta receptor; tumor necrosis factor binding protein 2; tumor necrosis factor receptor 2; tumor necrosis factor receptor type II |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                |           |
|----------------|-----------|
| Gene ID        | 7133      |
| mRNA Refseq    | NM_001066 |
| Protein Refseq | NP_001057 |
| MIM            | 191191    |
| UniProt ID     | P20333    |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA