

## 37-1083: Human DR6 / TNFRSF21 Recombinant Protein (Fc Tag)(Discontinued)

**Reactivity :** Human  
**Alternative Name :** BM-018 Protein, CD358 Protein, DR6 Protein,

### Description

#### Source : HEK293 Cells

TNFRSF21 (death receptor-6, DR6) is an orphan TNF receptor superfamily member and belongs to a subgroup of receptors called death receptors. This type I transmembrane receptor possesses four extracellular cysteine-rich motifs and a cytoplasmic death domain. DR6 is an extensively posttranslationally modified transmembrane protein and that N- and O-glycosylations of amino acids in its extracellular part. DR6 interacts with the adaptor protein TRADD and mediates signal transduction through its death domain, and expression of DR6 in mammalian cells induces activation of both NF-kappaB and JNK and cell apoptosis. DR6 knockout mice have enhanced CD4+ T cell proliferation and Th2 cytokine production, suggested that DR6 serves as an important regulatory molecule in T-helper cell activation, and is involved in inflammation and immune regulation. DR6 is expressed ubiquitously with high expression in lymphoid organs, heart, brain and pancreas. Some tumor cells overexpress DR6, typically in conjunction with elevated anti-apoptosis molecules. DR6 may also be involved in tumor cell survival and immune evasion, which is subject to future investigations.

### Product Info

**Amount :** Human DR6 / TNFRSF21 Recombinant Protein (Fc Tag)(Discontinued) / 200 µg  
**Purification :** > 95 % as determined by SDS-PAGE  
**Content :** Formulation Lyophilized from sterile PBS, pH 7.4  
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.  
**Storage condition :** Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.  
**Amino Acid :** Met1-Leu350

### Application Note

1. Measured by its binding ability in a functional ELISA. 2. Immobilized recombinant human DR6-Fc at 10 µg/mL (100 µL/well) can bind biotinylated human APP-Fc with a linear range of 0.03-0.25 µg/mL.  
Endotoxin :< 1.0 EU per µg of the protein as determined by the LAL method

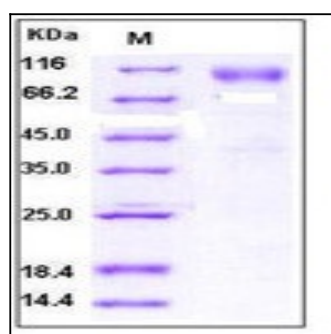


Fig 1: Human DR6 / TNFRSF21 Recombinant Protein (Fc Tag)