

## 32-8211: Recombinant Human Death Receptor 6/DR6/TNFRSF21/CD358 (C-Fc)

**Gene :** TNFRSF21

**Gene ID :** 27242

**Uniprot ID :** O75509

### Description

Source: Human Cells.

MW :61.7kD.

Recombinant Human Death Receptor 6 is produced by our Mammalian expression system and the target gene encoding Gln42-Leu350 is expressed with a Fc tag at the C-terminus. Tumor Necrosis Factor Receptor Superfamily Member 21 (TNFRSF21) is a type I transmembrane receptor that includes four extracellular cysteine-rich motifs and a cytoplasmic death domain. DR6 is highly expressed in heart, brain, placenta, pancreas, lymph node, thymus and prostate. DR6 may activate NF-kappa-B and JNK to promote apoptosis and T-cell differentiation. In addition, DR6 binds with N-APP, which is released by the deprivation of Trophic-factor. It triggers caspase activation and degeneration of both neuronal cell bodies (via caspase-3) and axons (via caspase-6). DR6 is also expressed on the tumor cell lines and can be induced by TNF- $\alpha$ .

### Product Info

**Amount :** 10  $\mu$ g / 50  $\mu$ g

**Content :** Lyophilized from a 0.2  $\mu$ m filtered solution of PBS, pH 7.4.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** QPEQKASNLIGTYRHVDRATGQVLTCDKCPAGTYVSEHCTNTSLRVCSSCPVGTFFTRHENGIEKCHDCSQPCP  
WPMIEKLPAAALTDRECTCPPGMFQSNATCAPHTVCPVGGVVRKKGTEEDVRCKQCARGTFSDVPSSVMKC  
KAYTDCLSQLLVVIKPGTKETDNVCGTLPFSSTSPSPGTAIFPRPEHMETHEVPSSTYVPGMNSTESNSSAS  
VRPKVLSSIQEGTVPDNTSSARGKEDVNKTLPNLQVNHQQGPHHRHILKLLPSMEATGGEKSSTPIKGPGRGH  
PRQNLHKHFDINEHLVDDIEGRMDEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDV  
SHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTKSKA  
KGQPREPVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVD  
KSRWQQGNVFSCVMHEALHNHYTQKSLSLSPGK

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100  $\mu$ g/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.