

Product datasheet

Recombinant human DR5 protein ab111467

Overview

Product name	Recombinant human DR5 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Accession	O14763
Species	Human
Molecular weight	15 kDa

Specifications

Our [Abpromise guarantee](#) covers the use of **ab111467** in the following tested applications.

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

Biological activity	Determined by its inhibitory effect of IL8 production in Human PBMC by Human DR5. 50% inhibition (100 ng/ml of DR5) was reached using a concentration of 1000 ng/ml of DR5.
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Applications	SDS-PAGE
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Purity	> 98 % SDS-PAGE. Purity by SDS-PAGE and HPLC is greater than 98%.
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Form	Lyophilised
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Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. This product is an active protein and may elicit a biological response in vivo, handle with caution.
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Reconstitution	Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.
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General Info

Function	Receptor for the cytotoxic ligand TNFSF10/TRAIL. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Promotes the activation of NF-kappa-B. Essential for ER stress-induced apoptosis.
Tissue specificity	Widely expressed in adult and fetal tissues; very highly expressed in tumor cell lines such as HeLaS3, K-562, HL-60, SW480, A-549 and G-361; highly expressed in heart, peripheral blood lymphocytes, liver, pancreas, spleen, thymus, prostate, ovary, uterus, placenta, testis, esophagus, stomach and throughout the intestinal tract; not detectable in brain.
Involvement in disease	Squamous cell carcinoma of the head and neck
Sequence similarities	Contains 1 death domain. Contains 3 TNFR-Cys repeats.
Cellular localization	Membrane.

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