

## Product datasheet

# Recombinant Human DR5 protein ab199801

### Description

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<b>Product name</b>	Recombinant Human DR5 protein
<b>Purity</b>	> 97 % SDS-PAGE. assessed also by HPLC analysis
<b>Endotoxin level</b>	< 1.000 Eu/μg
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>O14763</u></b>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	ESALITQQDL APQQR AAPQQ KRSSPSEGLC PPGHHISEDG RDCISCKYGQ DYSTHWNDLL FCLRCTRCD S GEVELSPCTT TRNTVCQCEE GTFREEDSPE MCRKCRTGCP RGMVKVGDCT PWSDIECVHK ES
<b>Predicted molecular weight</b>	15 kDa
<b>Amino acids</b>	52 to 183

### Specifications

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Our **Abpromise guarantee** covers the use of **ab199801** in the following tested applications.

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

<b>Applications</b>	Functional Studies SDS-PAGE HPLC
<b>Form</b>	Lyophilized

### Preparation and Storage

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**Stability and Storage** Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. Reconstitute for long term storage.

pH: 7.40  
Constituent: 100% PBS

Sterile filtered.

## Reconstitution

Reconstitution instructions We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ? -20 °C. Further dilutions should be made in appropriate buffered solutions.

## General Info

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

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