

Product datasheet

Recombinant Human DR4 protein ab55762

Overview

Product name	Recombinant Human DR4 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Species	Human
Sequence	MSGTGAAAAT PSKVWGSSAG RIEPRGGGRG ALPTSMGQHG PSARAR AGRA PGPRPAREAS PRLRVHKTFK FVVVGVLLQV VPSSAATIKL H DQSIGTQQW EHSPLGELCP PGSHRSERPG ACNRCTEGVG YTNASQQ LFA CLPCTACKSD EEERSPCTTT RNTACQCKPG TFRNDNSAEM CR KCSTGCPR GMVKVKDCTP WSDIECVHKE SGNGHN
Molecular weight	23 kDa

Specifications

Our [Abpromise guarantee](#) covers the use of **ab55762** in the following tested applications.

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

Applications	SDS-PAGE Functional Studies
Purity	> 95 % SDS-PAGE. > 95% by SDS-PAGE and HPLC analyses Endotoxin level: < 0.1 ng per µg of sTRAIL receptor 1
Form	Lyophilised

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Preservative: None
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Buffer:None

Reconstitution

Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers.

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.

Tissue specificity

Widely expressed. High levels are found in spleen, peripheral blood leukocytes, small intestine and thymus, but also in K562 erythroleukemia cells, MCF7 breast carcinoma cells and activated T-cells.

Sequence similarities

Contains 1 death domain.
Contains 3 TNFR-Cys repeats.

Cellular localization

Membrane.

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