

# Human DR6 / TNFRSF21, C-His Tag Protein

HA211300



<b>Product name:</b>	Human DR6 / TNFRSF21, C-His Tag
<b>Species reactivity:</b>	Human
<b>Bio-Activity:</b>	Testing in progress.
<b>Protein construction description:</b>	A DNA sequence encoding the human DR6 / TNFRSF21 protein (O75509) (Gln 42-Leu 350) was expressed with a His tag at the C-terminus.

**Background:** The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor has been shown to activate NF- $\kappa$ B and MAPK8/JNK, and induce cell apoptosis. Through its death domain, this receptor interacts with TRADD protein, which is known to serve as an adaptor that mediates signal transduction of TNF-receptors. Knockout studies in mice suggested that this gene plays a role in T helper cell activation, and may be involved in inflammation and immune regulation. The DR6 is an alpha-helical integral membrane receptor protein that shows evidence that it has something to do with the inhibition of blood vessels forming on tumors which would allow them to grow larger. Death receptor 6 gets a chemical message and starts a signaling pathway that causes apoptosis, also known as cell death, to occur. It is also expressed in endothelial cells. Tumor cells can induce, through exposition of amyloid precursor protein (APP), DR6-mediated endothelial cell necroptosis allowing tumors metastasis.

<b>Purity:</b>	>95% as determined by SDS-PAGE.
<b>Endotoxin:</b>	Less than 1.0 EU per $\mu$ g by the LAL method.
<b>Fragment region:</b>	DR6 / TNFRSF21 (42-350)
<b>Source:</b>	HEK293
<b>Accession:</b>	O75509
<b>Predicted molecular mass:</b>	35.4 kD
<b>Formulation:</b>	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
<b>Reconstitution:</b>	Reconstitute at 250 $\mu$ g/ml in sterile water.
<b>Storage:</b>	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 $^{\circ}$ C to -80 $^{\circ}$ C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

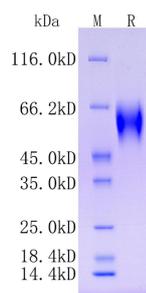
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**Fig1:** Protein on SDS-PAGE under reducing (R) condition.

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**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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