

sTRAIL Receptor-1/DR4, human recombinant protein
soluble TRAIL Receptor-1, DR4, TNFRSF10A, Apo2
Catalog # PBV10836r**Specification****sTRAIL Receptor-1/DR4, human recombinant protein - Product info**

Primary Accession [O00220](#)
Calculated MW **22.7 kDa**

sTRAIL Receptor-1/DR4, human recombinant protein - Additional Info

Gene ID **8797**
Gene Symbol **TNFRSF10A**
Other Names
soluble TRAIL Receptor-1, DR4, TNFRSF10A, Apo2

Gene Source **Human**
Source **E. Coli**
Assay&Purity **SDS-PAGE; ≥98%**
Assay2&Purity2 **HPLC;**
Recombinant **Yes**
Sequence **MSGTGAAAAT PSKVWGSSAG RIEPRGGGGRG
ALPTSMGQHG PSARARAGRA PGPRPAREAS
PRLRVHKTFK FVVVGVLQV VPSSAATIKL
HDQSIGTQQW EHSPLGELCP PGSHRSERPG
ACNRCTEGVG YTNASQQLFA CLPCTACKSD
EEERSPCTTT RNTACQCKPG TFRNDNSAEM
CRKCSTGCPR GMVKVKDCTP WSDIECVHKE
SGNGHN**

Target/Specificity
TNFRSF10A

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized with no additives.

sTRAIL Receptor-1/DR4, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

sTRAIL Receptor-1/DR4, human recombinant protein - Images

sTRAIL Receptor-1/DR4, human recombinant protein - Background

TRAIL Receptor-1/DR4 and TRAIL Receptor-2/DR5 belong to the TNFR superfamily of transmembrane proteins and contain a cytoplasmic "death domain," which can activate the cell's apoptotic machinery. These receptors are activated by binding to either membrane anchored or soluble TRAIL/Apo2L. Recombinant human soluble TRAIL Receptor-1/DR4 is a 22.7 kDa protein (215 amino acid residues) consisting of the TNFR homologous, cysteine rich portion of the extracellular domain.

sTRAIL Receptor-1/DR4, human recombinant protein - References

Pan G.,et al.Science 276:111-113(1997).
Kalnina N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Livingston R.J.,et al.Submitted (OCT-2006) to the EMBL/GenBank/DDBJ databases.
Nusbaum C.,et al.Nature 439:331-335(2006).