

RAET1E, human recombinant protein
NKG2D ligand 4, bA350J20.7, LETAL, N2DL-4, NKG2DL4, RAET1E2, RL-4, ULBP4
Catalog # PBV10951r

Specification

RAET1E, human recombinant protein - Product info

Primary Accession	Q8TD07
Concentration	1
Calculated MW	24.9 kDa (219 aa, 31-225 aa + His Tag), confirmed by MALDI-TOF. kDa

RAET1E, human recombinant protein - Additional Info

Gene ID	135250
Gene Symbol	RAET1E
Other Names	
NKG2D ligand 4, bA350J20.7, LETAL, N2DL-4, NKG2DL4, RAET1E2, RL-4, ULBP4	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMHSLCFN FTIKSLSRPG QPWCEAQVFL NKNLFLQYNS DNNMVKPLGL LGKKVYATST WGELTQTLGE VGRDLRMLLC DIKPQIKTSD PSTLQVEMFC QREAERCTGA SWQFATNGEK SLLFDAMNMT WTVINHEASK IKETWKKDRG LEKYFRKLSK GDCDHWLREF LGHWEAMPEP TVSPVNASDI HWSSSSLPD GQEKNGCCVG GGFDETLAFS GRLTGFNIWD SVLSNEEIRE TGAESCHIR GNIVGWGVTE IQPHGGAQYV S

Target/Specificity
RAET1E

Format
Liquid

Storage
-80°C; 1 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, and 0.4 M Urea.

RAET1E, 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](#)

RAET1E, human recombinant protein - Images

RAET1E, human recombinant protein - Background

RAET1E belongs to the RAET1 family, which consists of major histocompatibility complex (MHC) class I-related genes located in a cluster on chromosome 6q24.2-q25.3. RAET1E and RAET1G protein differ from other RAET1 proteins in that they have type I membrane-spanning sequences at their C termini rather than glycosylphosphatidylinositol anchor sequences. This protein functions as a ligand for NKG2D receptor, which is expressed on the surface of several types of immune cells, and is involved in innate adaptive immune responses. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. Recombinant human RAET1E protein, fused to His-tag at N-terminus, was expressed in E.coli.

RAET1E, human recombinant protein - References

Conejo-Garcia J.-R., et al. Cancer Biol. Ther. 2:446-451(2003).
Chalupny N.J., et al. Biochem. Biophys. Res. Commun. 305:129-135(2003).
Bacon L., et al. J. Immunol. 173:1078-1084(2004).
Cao W., et al. J. Biol. Chem. 282:18922-18928(2007).
Lanier L.L., et al. Submitted (AUG-2001) to the EMBL/GenBank/DDBJ databases.