

Product information



RAET1E, 31-225aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1820

Full name: NKG2D ligand 4

NCBI Accession No.: NP_631904

Synonyms: bA350J20.7, LETAL, N2DL-4, NKG2DL4, RAET1E2, RL-4, ULBP4

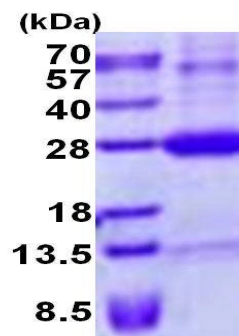
Description: RAET1E belongs to the RAET1 family, which consists of major histocompatibility complex (MHC) class I-related genes located in a cluster on chromosome 6q24.2-q25.3. RAET1E and RAET1G protein differ from other RAET1 proteins in that they have type I membrane-spanning sequences at their C termini 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*.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Molecular Weight: 24.9 kDa (219aa)

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMHSLCFN FTIKSLSRPG QPWCEAQVFL NKNLFLQYNS DNNMVKPLGL LGKKVYATST WGELTQTLGE
VGRDLRMLLC DIKPQIKTSD PSTLQVEMFC QREAERCTGA SWQFATNGEK SLLFDAMNMT WTVINHEASK IKETWKKDRG LEKYFRKLSK
GDCDHWLREF LGHWEAMPEP TVSPVNASDI HWSSSLDP

General references:

McGilvray, R.W., *et al.* (2010) *Int. J. Cancer* 127 (6), 1412-1420

Antoun, A., *et al.* (2010) *Hum. Immunol.* 71 (6), 610-620

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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