

Product datasheet for **AR50555PU-S**

ULBP1 / NKG2D ligand 1 (26-216, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	ULBP1 / NKG2D ligand 1 (26-216, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MGSHM</u> GWVDT HCLCYDFIIT PKSRPEPQWC EVQGLVDERP FLHYDCVNHK AKAFASLGKK VNVTKTWEEQ TETLRDVVDF LKGQLLDIQV ENLIPIEPLT LQARMSCEHE AHGHGRGSWQ FLFNGQKFL FDSNNRKWTA LHPGAKKMT E KWEKNRDVTM FFQKISLGDC KMWLEEF LMY WEQMLDPTKP PSLAPG
Tag:	His-tag
Predicted MW:	25 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant Human ULBP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001304018</u>
Locus ID:	80329
UniProt ID:	<u>Q9BZM6</u>
Cytogenetics:	6q25.1
Synonyms:	N2DL-1; NKG2DL1; RAET1I



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Summary:

The protein encoded by this gene is a ligand of natural killer group 2, member D (NKG2D), an immune system-activating receptor on NK cells and T-cells. Binding of the encoded ligand to NKG2D leads to activation of several signal transduction pathways, including those of JAK2, STAT5, ERK and PI3K kinase/Akt. Also, in cytomegalovirus-infected cells, this ligand binds the UL16 glycoprotein and is prevented from activating the immune system. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Natural killer cell mediated cytotoxicity

Product images: