KLRC2 Cell Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	KLRC2, Cell Lysate
Full Product Name	Human KLRC2 HEK293 Overexpression Lysate
Product Gene Name	KLRC2 cell lysate
Product Synonym Names	Human KLRC2 HEK293 Cell Lysate (WB positive control); Human CD159c Overexpression Lysate; Human NKG2-C Overexpression Lysate; Human NKG2C Overexpression Lysate
Host	HEK293 Cells
Form/Format	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF. 1 X Sample Buffer (1 X modified RIPA buffer+1 X SDS loading buffer).
Preparation and Storage	Store at 4 degree C for up to twelve months from date of receipt. After re-dissolution, aliquot and store at -80 degree C for up to twelve months. Avoid repeated freeze-thaw cycles.
Molecular Weight	The recombinant human KLRC2 consists of 157 amino acids and predicts a molecular mass of 18.12kDa. It migrates as an approximately 30.36kDa band in SDS-PAGE under reducing conditions.
Species	Human
Sequence Information	A DNA sequence encoding the human KLRC2 (P26717-1)(Ile94-Leu231) was expressed with a polyhistidine tag at the N-terminus.
Preparation Method	Cell lysate was prepared by homogenization in ice-cold modified RIPA Lysis Buffer with cocktail of protease inhibitors (Sigma). Cell debris was removed by centrifugation. Protein concentration was determined by Bradford assay (protein assay, Microplate Standard assay). The cell lysate was boiled for 5 min in 1 x SDS loading buffer (50mM Tris-HCl pH6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Recommend Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200uL pure water and boil for 2-5 min. 3. Store the lyophilized cell lysate at 4 degree C. After re-dissolution, recommend to aliquot it into smaller quantities and store at -80 degree C.
Applications Tested/Suitable for KLRC2 cell lysate	Western Blot (WB)
Related Product Information for KLRC2 cell lysate	Description: This Human KLRC2 overexpression lysate was created in HEK293 Cells and intented for use as a Western blot (WB) positive control. Purification of KLRC2 protein from the overexpression lysate was verified.
Other Notes	Small volumes of KLRC2 cell lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for KLRC2 purchase	MBS8119784 is a cell lysate targeting KLRC2. Also known as Human KLRC2 HEK293 Overexpression Lysate. Host: HEK293 Cells.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KLRC2. It may not necessarily be applicable to this product.

Protein Family	NKG2-C type II integral membrane protein

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