

Recombinant Mouse FLT4 cell lysate

Cat. No. FLT4-2016MCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse FLT-4 / VEGFR3 derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
Species	Mouse
Source	Human Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended 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 200µL pure water and boiled for 2-5 min. 3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

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	reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	Flt4 FMS-like tyrosine kinase 4 [Mus musculus]
Official Symbol	FLT4
Synonyms	FLT4; FMS-like tyrosine kinase 4; vascular endothelial growth factor receptor 3; chylous ascites; receptor protein tyrosine kinase; tyrosine-protein kinase receptor FLT4; vascular endothelial growth factor receptor-3; Chy; Flt-4; VEGFR3; VEGFR-3; AI323512;
Gene ID	14257
mRNA Refseq	NM_008029
Protein Refseq	NP_032055
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; Signal Transduction,

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organism-specific biosystem; Signaling by VEGF, organism-specific biosystem; VEGF binds to VEGFR leading to receptor dimerization, organism-specific biosystem;

Function

ATP binding; growth factor binding; kinase activity; nucleotide binding; protein binding; protein kinase activity; protein phosphatase binding; protein tyrosine kinase activity; receptor activity; transferase activity; transferase activity, transferring phosphorus-containing groups; transmembrane receptor protein tyrosine kinase activity; vascular endothelial growth factor-activated receptor activity; vascular endothelial growth factor-activated receptor activity;

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