

Product datasheet for **TP725217**

FLT3 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human FLT (V320-D469)
Species:	Human
Expression cDNA Clone or AA Sequence:	Val320-Asp469
Tag:	C-FLAG-6His
Buffer:	Supplied as a 0.2 um filtered solution of PBS, pH7.4
Note:	Recombinant Human FLT (V320-D469) is produced by our Mammalian expression system and the target gene encoding Val320-Asp469 is expressed with a FLAG and a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	2322
UniProt ID:	P36888
Summary:	Tyrosine-protein kinase acts as a cell-surface receptor for the cytokine FLT3LG and regulates differentiation, proliferation and survival of hematopoietic progenitor cells and dendritic cells. It stimulates phosphorylation of SHC1 and AKT1, and activates the downstream effector MTOR. Promotes activation of RAS signaling and phosphorylation of downstream kinases, including MAPK1/ERK2 and/or MAPK3/ERK1. Promotes phosphorylation of FES, FER, PTPN6/SHP, PTPN11/SHP-2, PLCG1, and STAT5A and/or STAT5B. Activation of wild-type FLT3 causes only marginal activation of STAT5A or STAT5B. It can be used as a diagnostic tool to establish the exact cause of acute myeloid leukemia and to determine the optimal therapy.



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