

Product datasheet for **TP727097**

CD117 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Mast/stem Cell Growth Factor Receptor Kit/CD117/c-kit (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gln26-Thr520
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Mast/stem Cell Growth Factor Receptor Kit is produced by our Mammalian expression system and the target gene encoding Gln26-Thr520 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	3815
UniProt ID:	P10721
Summary:	C-Kit/SCF R is a type 3 transmembrane receptor for MGF (mast cell growth factor, also known as stem cell factor). c-Kit contains 5 Ig-like C2-type (immunoglobulin-like) domains and 1 protein kinase domain. It belongs to the protein kinase superfamily and CSF-1/PDGF receptor subfamily. SCF R expression on mast cells enables them to infiltrate SCF-secreting tumors where they promote tumor growth and induce local immune suppression. SCF R is up-regulated on dendritic cells by Th2-orTh17-biasing stimuli, and it is required for subsequent dendritic cell induction of Th2 and Th17 responses. SCF R protects vascular smooth muscle cells from apoptosis and assists in the recovery of cardiac function following myocardial infarction.



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