

32-7862: Recombinant Mouse Receptor-type tyrosine-protein kinase FLT3/Flt-3 (C-6His)(Discontinued)

Gene : Flt3
Gene ID : 14255
Uniprot ID : Q00342

Description

Source: Human Cells.

MW :85.2kD.

Recombinant Mouse Receptor-type tyrosine-protein kinase FLT3 is produced by our Mammalian expression system and the target gene encoding Asn28-Ser544 is expressed with a Fc tag at the C-terminus. The Flt-3 receptor, also named Flk-2 and Stk-1, is a member of the class III subfamily of receptor tyrosine kinases. Mouse Flt-3 cDNA encodes a 992 amino acid (aa) residue type I membrane protein with a 27 aa residue signal peptide, a 517 aa extracellular domain with 10 potential N-linked glycosylation sites, a 20 aa residue transmembrane domain and a 428 aa residue cytoplasmic domain. Flt-3 expression has been detected in various tissues, including placenta, gonads, and tissues of nervous and hematopoietic origin. Among hematopoietic cells, the expression of Flt-3 was found to be restricted to the highly enriched stem/progenitor cell populations. The ligand for Flt-3 (FL) has been identified to be a transmembrane protein with structural homology to M-CSF and SCF.

Product Info

Amount : 10 µg / 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

Amino Acid : NQDLPIKCVLISHENNGSSAGKPSYRMVRGSPEDLQCTPRRQSEGTVEEAATVEVAESGSITLQVQLATPGD
LSCLWVFKHSSLGCPHFDLQNRGIVSMAILNVTETQAGEYLLHIQSEAANYTVLFTVNVRDTQLYVLRPPYFRK
MENQDALLCISEGVPEPTVEVWVLCSSHRESCKEEGPAVVRKEEKVLHELFGTDIRCCARNALGRECKLFTIDL
NQAPQSTLPQLFLKVGEPWIRCKAIHVNHGFGLTWELEDKALEEGSYFEMSTYSTNRTMIRILLAFVSSVGRND
TGYTCSSSKHPSQSALVTILEKGFINATSSQEEYEIDPYEKFCFSVRFKAYPRIRCTWIFSQASFPCEQRGLEDGY
SISKFCDHKNKPGYIFYAENDDAQFTKMFTLNIRKKQVLANASASQASCSSDGYPLPSWTWKKCSDKSPNCT
EEIPEGVWNKKANRKFVGFQWVSSSTLNMSEAGKLLVKCCAYNSMGTSCTIFLNSPGPFPIQDNISVDDIEG
RMDEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVH
NAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMT
KNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVVFSCSVMH
EALHNHYTQKSLSLSPGK

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.