

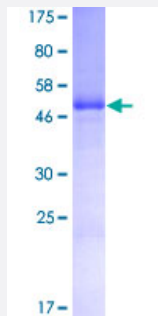
Full-Length

KITLG (Human) Recombinant Protein (P01)

Catalog # H00004254-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human KITLG full-length ORF (NP_003985.2, 1 a.a. - 245 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MKKTQTWILTCMYLQLLFNPLVKTEGICRNRVTNNVKDVTCLVANLPKDYMILKYVPGMDVLPSH CWISEMVVQLSDSLTDLLDKFSNISEGLSNYSIIDKLVNIVDDLVECVKENS SKDLKKSFKSPEPRL FTPEEFFRIFNRSIDAFKDFVVASETSDCVVSSTLSPEKGKAKNPPGDSSLHWAAMALPALFSLII GFAFGALYWKKRQPSLTRA VENIQINEEDNEISMLQE KEREFEQEV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	54.3
Interspecies Antigen Sequence	Mouse (72); Rat (72)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — KITLG

Entrez GeneID [4254](#)

GeneBank Accession# [NM_003994.4](#)

Protein Accession# [NP_003985.2](#)

Gene Name KITLG

Gene Alias DKFZp686F2250, KL-1, Kitl, MGF, SCF, SF, SHEP7

Gene Description KIT ligand

Omim ID [184745](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes the ligand of the tyrosine-kinase receptor encoded by the KIT locus. This ligand is a pleiotropic factor that acts in utero in germ cell and neural cell development, and hematopoiesis, all believed to reflect a role in cell migration. In adults, it functions pleiotropically, while mostly noted for its continued requirement in hematopoiesis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations mast cell growth factor|steel factor|stem cell factor

Pathway

- [Cytokine-cytokine receptor interaction](#)

- [Hematopoietic cell lineage](#)
- [Melanogenesis](#)
- [Pathways in cancer](#)

Disease

- [Asthma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Infertility](#)
- [Neoplasms](#)
- [Testicular Neoplasms](#)
- [Vitiligo](#)