Recombinant Human ErbB3 Fragment
(rhErbB3-f)
Catalog Number: 107-11

Description	ErbB3 is one of four members of the epidermal growth factor (EGF) receptor family with no intrinsic kinase activity. Therefore, its signal transduction upon EGF ligand binding is carried by the heterodimerization of ErbB3 with a different EGF receptor kinase. ErbB3 is linked to cancer etiology and progression. Its expression can be found in keratinocytes, melanocytes, skeletal muscle cell, embryonic myoblasts and Schwann cells.
Synonyms	HER3
AA Sequence	MRANDALQVL GLLFSLARGS EVGNSQAVCP GTLNGLSVTG DAENQYQTLY KLYERCEVVM GNLEIVLTGH NADLSFLQWI REVTGYVLVA MNEFSTLPLP NLRVVRGTQV YDGKFAIFVM LNYNTNSSHA LRQLRLTQLT EILSGGVYIE KNDKLCHMDT IDWRDIVRDR DAEIVVKDNG RSCPPCHEVC
Source	*Escherichia coli*
Molecular Weight	Approximately 34 KDa, a single non-glycosylated fusion protein containing the extracellular domain of human ErbB3 fragment (190 amino acids, Met1-Cys190).
Purity	>95% by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active as determined by the delay of spontaneous breast cancer formation in FVB/N transgenic mice and inhibit tumor development
Physical Appearance	A white semitransparent suspension at a concentration of 1 mg/ml.
Formulation	A white, semitransparent suspension, the normal content of each vial is 1 mg of protein, 1mg aluminum hydroxide and small amount of arginine, sodium chloride, sodium phosphate, and potassium phosphate.
Endotoxin	< 1EU/μg of growth factor as determined by LAL method.
Reconstitution	Reconstitute in sterile phosphate-buffered saline containing 1mg aluminum hydroxide added to the vial to prepare a stock solution.
Storage	Store at -20°C after receiving. Upon reconstitution, store at 2-8°C for up to one week. For maximal stability, aliquot and store at -20°C. Avoid repeated freeze/ thaw cycles.
Usage	This product is for research use only. It is not approved for use in humans, animals, or *in vitro* diagnostic procedures.