fon: +49(0)731 – 3608 123
fax: +49(0)731 – 3608 962
E-Mail: info@genaxxon.com

rec. human Herstatin2-ECD

rHu Her2-ECD

Product	Cat#	Package size
Rec. human Herstatin2-ECD, liquid 100µL of a 1µg/µL solution	**S5557.0100**	**100µg**
Rec. human Herstatin2-ECD, liquid **100µL of a 1µg/µL solution**	**S5557.0001**	**1mg**

Product description

HER2/neu/ErbB-2 (human epidermal growth factor receptor 2) is a membrane glycoprotein of the ErbB family of tyrosine kinase receptors. This protein family members (ErbB1-4) serve as receptors for epidermal growth factor. ErbB2 is found on the on the surface of epithelial cells and strongly overexpressed on the membrane of cancer cells especially breast cancer cells.

ErbB2 has no identified ligand but rather forms heterodimers with one the other ErbB receptors. These complexes are of high affinity to its ligands.

By binding of the ligand, a conformational change of the cytoplasmatic tyrosine kinase part of the ErbB2 receptor results in phosphorylation of the initial PI3K/Akt signal transduction cascade protein and effects cell proliferation.

Human ErbB2 consists of 1255 amino acids (aa) with a 21 aa leader sequence, a 631 aa extracellular domain (ED), a 23 aa transmembrane region, and a 580 aa cytoplasmatic domain.

The soluble ED can be shed proteolytically from the cell surface, is strongly glycosylated and of a MW of 95-105 kDa.

Source: *HEK293*

Identity: Immuno-Blot with specific antibody.

Purity

95% by SDS-PAGE (95-105 kDa band, partly di- and trimeric forms)

Formulation

Liquid in 20mmol Tris, 200mmol NaCl, pH7.4.

Stability

The liquid recombinant HER2-ECD should be stored at -20°C or below.
Please avoid freeze-thaw cycles.

Literature

1. Coussens, L. et. al. (1985) Science 230:1132.
2. Yamamoto, T. et. al. (1986) Nature 319:230.
3. Kanai, Y. et. al. (1995) Biochem. Biophys. Res. Commun. 208:1067.
4. Emkey, R. and C.R. Kahn (1997) J. Biol. Chem. 272:31172.
5. Schaefer, G. et. al. (1999) J. Biol. Chem. 274:859.
6. Schlessinger, J. (2000) Cell 103:211.

Usage

This product is for research/laboratory usage only. It may not be used as drug, agricultural or pesticidal product, food additive or household chemical.

GENAXXON bioscience GmbH
Söflinger Str. 70 ● 89077 Ulm ● Geschäftsführer: Dr. Norbert Tröndle
Amtsgericht: 89014 Ulm ● HRB 641623
U.St.-Id.Nr. DE 220 603 767 ● Deutsche St.-Nr. 88002/33658