

Human Her2/ErbB2 Domain 1 Protein, Ultra Low Endotoxin

Cat. No. HER-HM11D-UL

Description

Source	Recombinant Human Her2/ErbB2 Domain 1 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Thr23-Gln164.
Accession	P04626-1
Molecular Weight	The protein has a predicted MW of 17.43 kDa. Due to glycosylation, the protein migrates to 30-38 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

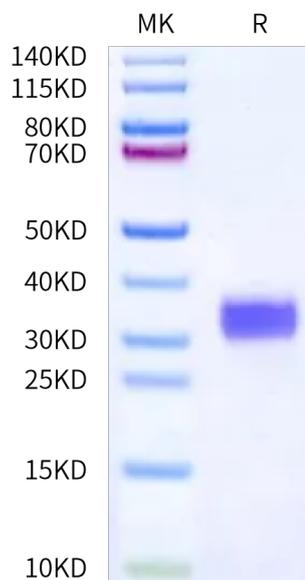
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

ErbB2, also called Neu and Her2 (human epidermal growth factor receptor 2), is a type I membrane glycoprotein that is a member of the ErbB family of tyrosine kinase receptors. ErbB family members serve as receptors for the epidermal growth factor (EGF) family of growth factors. Upon ERBB2 activation, the MEMO1-RHOA-DIAPH1 signaling pathway elicits the phosphorylation and thus the inhibition of GSK3B at cell membrane.

Assay Data

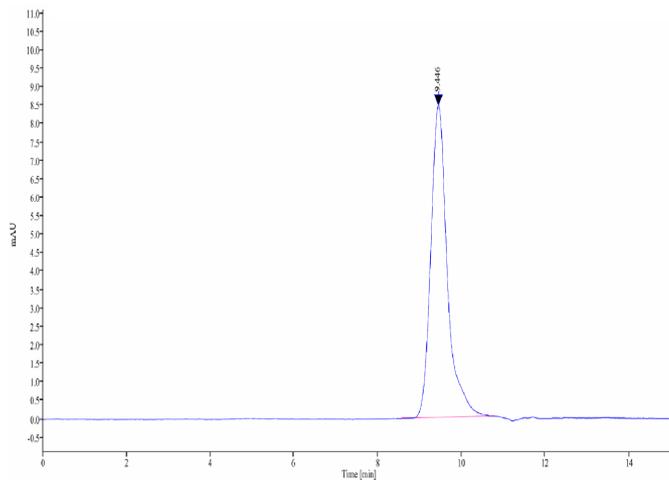
Bis-Tris PAGE



Human Her2 Domain 1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Human Her2 Domain 1 is greater than 95% as determined by SEC-HPLC.