

# Product datasheet for TP700155

# ALK (NM\_004304) Human Recombinant Protein

## **Product data:**

#### **Product Type: Recombinant Proteins Description:** Purified recombinant protein of human anaplastic lymphoma receptor tyrosine kinase(ALK), with C-terminal DDK/His tag, expressed in human cells, 20 µg Species: Human **Expression Host:** HEK293T **Expression cDNA Clone** A DNA sequence from TrueORF clone, RC600055, encoding the region (Val19 – Ser1038) of or AA Sequence: human ALK C-DDK/His Tag: Predicted MW: 113.1 kDa **Concentration:** >0.05 µg/µL as determined by microplate BCA method **Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining **Buffer:** PBS, pH 7.4, 10% glycerol Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. Store at -80°C. Storage: Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. **RefSeq:** NP 004295 Locus ID: 238 **UniProt ID:** Q9UM73 **RefSeq Size:** 6267 Cytogenetics: 2p23.2-p23.1 **RefSeq ORF:** 3114 Synonyms: CD246; NBLST3



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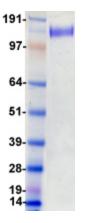
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Summary:This gene encodes a receptor tyrosine kinase, which belongs to the insulin receptor<br/>superfamily. This protein comprises an extracellular domain, an hydrophobic stretch<br/>corresponding to a single pass transmembrane region, and an intracellular kinase domain. It<br/>plays an important role in the development of the brain and exerts its effects on specific<br/>neurons in the nervous system. This gene has been found to be rearranged, mutated, or<br/>amplified in a series of tumours including anaplastic large cell lymphomas, neuroblastoma,<br/>and non-small cell lung cancer. The chromosomal rearrangements are the most common<br/>genetic alterations in this gene, which result in creation of multiple fusion genes in<br/>tumourigenesis, including ALK (chromosome 2), ALK/TFG (chromosome 3), ALK/NPM1<br/>(chromosome 5), ALK/SQSTM1 (chromosome 5), ALK/KIF5B (chromosome 10), ALK/CLTC<br/>(chromosome 17), ALK/TPM4 (chromosome 19), and ALK/MSN (chromosome X).[provided by<br/>RefSeq, Jan 2011]

**Protein Families:** 

Druggable Genome, Protein Kinase

### **Product images:**



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