

EPhA3 Protein, Canine, Recombinant (His)

General Information

Synonyms:	HEK4;TYRO4;ETK1;EPhA3;HEK;ETK;EK4
Protein Construction:	Met1-His514
Species:	Canine
Expression Host:	HEK293 Cells
Accession:	F1P925
Molecular Weight:	58.97 kDa (predicted). Due to glycosylation, the protein migrates to 60-65 kDa based on Tris-Bis PAGE result.

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS (pH 7.4). Typically, 8% trehalose is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Erythropoietin-producing hepatocellular carcinoma cell surface type-A receptor 3 (EPhA3) has been found to promote the proliferation and survival of prostate cancer (PCa) cell lines and prostate tumor development in nude mice. The interaction of AR and SP1 contributes to regulate EPhA3 expression, and the SP1 binding sites (-295~-261) in the EPhA3 core promoter region is crucial to the regulation of EPhA3 expression in response to androgen hormone stimuli.

Reference

Diao X, Chen X, Pi Y, Zhang Y, Wang F, Liu P, Gao Y, Wang X, Yang S, Lu S. Androgen receptor induces EPHA3 expression by interacting with transcription factor SPONcol Rep. 2018 Aug;40(2):1174-1184. doi: 10.3892/or.2018.6503. Epub 2018 Jun 18. PMID: 29917167.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481