

32-8889: Recombinant Human Ephrin A Receptor 1/EphA1 (Lys26-Glu547, C-6His)(Discontinued)

Gene : EPHA1
Gene ID : 2041
Uniprot ID : P21709

Description

Source: Human Cells.

MW :57.4kD.

Recombinant Human Ephrin A Receptor 1 is produced by our Mammalian expression system and the target gene encoding Lys26-Glu547 is expressed with a 6His tag at the C-terminus. Ephrin type-A receptor 1/EphA1 is a glycosylated member of the Eph family of transmembrane receptor tyrosine kinases. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. The A and B classes of Eph proteins are distinguished by Ephrin ligand binding preference but have a common structural organization. Eph-Ephrin interactions are widely involved in the regulation of cell migration, tissue morphogenesis, and cancer progression. EphA1 can form pH sensitive cis-homodimers on the cell surface. Membrane-bound or clustered Ephrin ligands interact with EphA1 and activate its kinase domain which is capable of Ser, Thr, and Tyr phosphorylation. Reverse signaling is propagated through the Ephrin ligand. EphA1 is widely expressed in differentiated epithelial cells, particularly in bone marrow, spleen, thymus, and testes. EphA1 is upregulated or downregulated in a variety of human carcinomas and is implicated in tumor invasiveness.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : KEVTLMDSKAQGELGWLLDPPKDGWSEQQILNGTPLYMYQDCPMQGRRTDHWLRSNWIYRGEEASRV
HVELQFTVRDCKSFPGGAGPLGCKETFNLLYMESDQDVGIQLRRPLFQKVTTVAADQSFTIRD LASGSVKLNVE
RCSLGRLTRRGLYAFHNPGACVALSVRVFYQRCPETLNGLAQFPDTPGPAGLVEVAGTCLPHARASPRPSG
APRMHCSPDGEWLVPVGRCHCEPGYEEGSGEACVACPSGSYRMDMDTPHCLTCPQQSTAEGATICTCE
SGHYRAPGEGPQVACTGPPSAPRNLSFSASGTQLSLRWEPPADTGGRQDVRYSVRCSQCQGT AQDGGPCQP
CGVG VHFSPGARGLTTPAVHVNGLEPYANYTFNVEAQNGVSGLGSSGHASTSVSISMGHAESLSGLSLRLVKK
EPRQLELTWAGSRPRSPGANLTYELHVLNQDEERYQMVLEPRVLLTELQPDTTYIVRVRMLTPLGPGPFSPDHE
FRTSPPVSRGLTGGEHHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.