

## 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.

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.  
**Storage condition :** 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 :** KEVTLMDTSKAQGELGWLLDPPKDGWSEQQILNGTPLYMYQDCPMQGRRTDHWLRSNWIYR  
GEEASRVHVELQFTVRDCKSFPGGAGPLGCKETFNLLYMESDQDVGIQLRRPLFQKVTTVAADQS  
FTIRDLASGSVKLNVERCSLGRLLRRGLYLAFHNPGACVALVSVRVFYQRCPETLNGLAQFPDTP  
GPAGLVEVAGTCLPHARASPRPSGAPRMHCSPDGEWLVPVGRCHCEPGYEEGGSGEACVACPS  
GSYRMDMDTPHCLTCPQQSTAESGATICTESGHYRAPGEGPQVACTGPPSAPRNLSFSASGT  
QLSLRWEPPADTGGRQDVRYSVRCSQCQGTQAQDGGPCQPCGVGVHFSFGARGLTTPAVHVNGL  
EPYANYTFNVEAQNGVSGLGSSGHASTSVSISMGHAESLSGLSLRLVKKEPRQLELTWAGSRPRS  
PGANLTYELHVLNQDEERYQMVLEPRVLLTELQPDTTYIVRVRMLTPLGPGPFSPDHEFRTSPPPVS  
RGLTGGEHHHHHH

### Application Note

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