

Recombinant Human Ephrin-A4

Cat. No. EFNA4-1610H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source Mammalian Cells

Description Ephrin-A4 is a glycoinositol phospholipid membrane anchor containing ephrin found in variety of adult tissue such as kidney, lung, colon and ovary. Ephrin-A4 is a ligand for the erythropoietin-producing hepatocellular (Eph) receptor family of tyrosine kinases. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. Ephrin-A4 encodes an EFNA class ephrin. Ephrin-A4 (s) may play a role in the interaction between activated B lymphocytes and dendritic cells in human tonsils.

Molecular Weight The predicted molecular weight of Recombinant Human Ephrin-A4 is 43.7 kDa. However, the actual molecular weight as observed by migration on SDS Page is 50 kDa.

State Of Matter Lyophilized.

Purity >90% by SDS Page and analyzed by silver stain.

Endotoxin <1.0 EU/g as determined by the LAL method.

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Storage

This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name EFNA4 ephrin-A4 [Homo sapiens]

Synonyms

EFNA4; ephrin-A4; EFL4; EPLG4; LERK4; MGC125826; ligand of eph-related kinase 4; eph-related receptor tyrosine kinase ligand 4; LERK-4; OTTHUMP00000033237; OTTHUMP00000033238; ephrin A4

Gene ID 1945

mRNA Refseq NM_005227

Protein Refseq NP_005218

MIM 601380

UniProt ID P52798

Chromosome Location 1q21-q22

Pathway Axon guidance

Function transmembrane-ephrin receptor activity

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