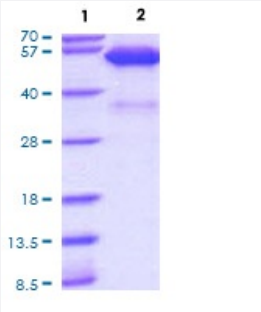
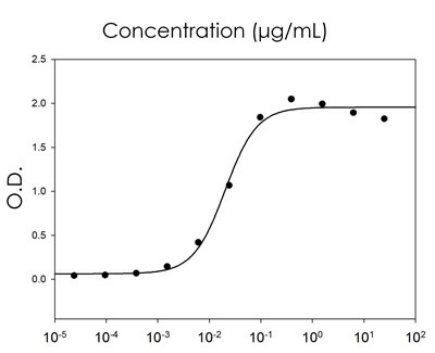
Bioactive

EFNA1 (Human) Recombinant Protein

Catalog # P8046 Size 100 ug

Applications





Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description	Human EFNA1 (P20827, 19 a.a. - 182 a.a.) partial length recombinant protein with hIgG-His tag expressed in Baculovirus expression system.
Sequence	DRHTVFWNSSNPKFRNEDYTIHVQLNDYVDIICPHYEDHSVADAAMEQYILYLVEHEEYQLCQPQSKDQVRWQCNRPSAKHGPEKLSEKFQRFTPFTLGKEFKEGHSYYYISKPIHQHEDRCLRLKVTVSGKITHSPQAHDNPQEKRLAADDPEVRVLHSIGHS
Host	Viruses
Theoretical MW (kDa)	46.6
Form	Liquid
Preparation Method	Baculovirus expression system

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Purity	> 90% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	ED_{50} is < 50 ng/mL, measured by the binding ability in a functional ELISA with Human EPHA2.
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.
Storage Buffer	In Phosphate-Buffer Saline pH 7.4 (10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis Result of bioactivity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — EFNA1

Entrez GeneID	1942
Protein Accession#	P20827
Gene Name	EFNA1
Gene Alias	B61, ECKLG, EFL1, EPLG1, LERK1, TNFAIP4
Gene Description	ephrin-A1
Omim ID	191164
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Based o n 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. This gene encodes an EFNA class ephrin whic h binds to the EPHA2, EPHA4, EPHA5, EPHA6, and EPHA7 receptors. Two transcript variants t hat encode different isoforms were identified through sequence analysis. [provided by RefSeq

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Other Designations	OTTHUMP00000033242|OTTHUMP00000033271|eph-related receptor tyrosine kinase ligand 1|ephrin A1|immediate early response protein B61|ligand of eph-related kinase 1|tumor necrosis factor, alpha-induced protein 4

Pathway

- Axon guidance

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