

Product datasheet for PH308364

Eph receptor B3 (EPHB3) (NM_004443) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	EPHB3 MS Standard C13 and N15-labeled recombinant protein (NP_004434)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208364
Predicted MW:	110.33 kDa
Protein Sequence:	>RC208364 representing NM_004443 Red=Cloning site Green=Tags(s)

MARARPPPPSPPPGLLPLLPLLLLPLLLLPAACRALEETLMDTKWVTSELAWTSHPEGWEEVSGYDE
AMNPIRTYQVCNVRESSQNWLRTGFIWRRDVQRVYVELKFTVRDCNSIPNIPGSCKETFNLFYEADSD
VASASSPFWMENPYVKVDIAPDESFSRLDAGRVTNKVRSFGPLSKAGFYLAHQDQGACMSLISVRAFYK
KCASTTAGFALFPETLTGAEPTSLVIAPGTCIPNAVEVSVPLKLYCNGDGEWMPVVGACTCATGHEPAAK
ESQCRPCPPGSYKAKQGEGLPCPPNSRTTSPAASICTCHNNFYRADSDSADSACTTVPSPRGGVINSV
NETSLILEWSEPRDLGGRDDL YNVICKKCHGAGGASACSRDDNVEFVPRQLGLTERRVHISHLLAHTR
YTFEVQAVNGVSGKSPLPPRYAAVNITTNQAAPSEVPTLRLHSSSGSSLTWSWAPPERPNGVILDYEMKY
FEKSEGIASVTVMNSVQLDGLRPDARYVVQVRARTVAGYQYSRPAEFETT SERGSGAQLQEQLPLI
VGSATAGLVFVAVVVIIVCLRKQRHGSSEYTEKLQYIAPGMKVYIDPFTYEDPNEAVREFAKEIDV
SCVKIEEVIGAGEFGEVCRGRLKQPGREVFVAIKTLKVGYTERQRDFLSEASIMGQFDHPNIIIRLEGV
VTKSRPVMILTEFMENCALDSFLRLNDGQFTVIQLVGMLRGLAAGMKYLSMNYVHRDLAARNILVNSNL
VCKVSDFGLSRFLIEDDSDPTYSLSLGGKIPIRWTAPEAIAYRKFTSASDVWSYGIWMWEVMSYGERPYW
DMSNQDVINAVEQDYRLPPMDCPTALHQLMLDCWVRDRNLRPKFSQIVNTLDKLI RNAASLKVIASQAS
GMSQPLLDRTVPDYTTFTTVDWLDIAIKMGYKESFVSAGFASFDLVAQMTAEDLLRIGVTLAGHQKIL
SSIQDMRLQMNQTLPVQV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

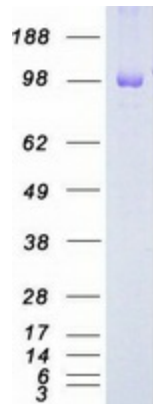
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.



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Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004434
RefSeq Size:	4234
RefSeq ORF:	2994
Synonyms:	EK2; ETK2; HEK2; TYRO6
Locus ID:	2049
UniProt ID:	P54753
Cytogenetics:	3q27.1
Summary:	Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. 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. The Eph family of receptors are divided into two groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. This gene encodes a receptor for ephrin-B family members. [provided by RefSeq, Mar 2010]
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways:	Axon guidance

Product images:



Coomassie blue staining of purified EPHB3 protein (Cat# [TP308364]). The protein was produced from HEK293T cells transfected with EPHB3 cDNA clone (Cat# [RC208364]) using MegaTran 2.0 (Cat# [TT210002]).