

Recombinant Human EPHA7 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. EPHA7-692H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EPHA7 MS Standard C13 and N15-labeled recombinant protein (NP_004431) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Increased expression of this gene is associated with multiple forms of carcinoma. Alternative splicing results in multiple transcript variants.
Molecular Mass	111.9 kDa
AA Sequence	MVFQTRYPSWIILCYIWLLRFAHTGEAQAAKEVLLLD SKAQQTELEWISSPPNGWEEI SGLDENYTPITYQVCQVMEPNQNNWLRTNWISKGNAQRIFVELKFTLRDCNSLPG VLGTCKETFNLYYYETD YDTGRNIRENLYVKIDTIAADESFTQGDLGERKMKLNTEVR EIGPLSKKGFYLA FQDVGACIALVSVKVYYKKCWSIENLAIFPDTVTGSEFSSLVEVR

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GTCVSSAEEEEAENAPRMHCSAEGEWLVPIGKCICKAGYQQKGDTCPCGRGFYKS
 SSQDLQCSRCPTHFSFDKEGSSRCECEDGYRAPSDPPYVACTRPPSAPQNLIFNI
 NQTTVSLEWSPPADNGGRNDVTYRILCKRCSWEQGECVPCGSNIGYMPQQTGLED
 NYVTVMDLLAHANYTFEVEAVNGVSDLSRSQRLFAAVSITTGQAAPSQVSGVMKER
 VLQRSVELSWQEPEHPNGVITEYEIKYYEKDQRERTYSTVTKSTASINNLKPGTV
 YVFQIRAFATAAGYGNYSRPLDVATLEEATGKMFEATAVSSEQNPVHIAVVAVAGTIILV
 FMVFGFIIGRRHCGYSKADQEGDEELYFHFKFPGTKTYIDPETYEDPNRAVHQFAKE
 LDASCIKIERVIGAGEFGEVCSGRLKLPGRDVAVAIAIKTLKVGYTEKQRRDFLCEASI
 MGQFDHPNVVHLEGVVTRGKPMIVIEFMENGALDAFLRKHDGQFTVIQLVGMLRGI
 AAGMRYLADMGYVHRDLAARNILVNSNLVCKVSDFGLSRVIEDDPEAVYTTTGGKIP
 VRWTAPEAIQYRKFTSASDVWSYGIVMWEVMSYGERPYWDMSNQDVIKAIIEGYR
 LPAPMDCPAGLHQLMLDCWQKERAERPKEQIVGILDKMIRNPNSLKTPLGTCSRPI
 SPLLDQNTPDFTTFCVSGEWLQAIKMERYKDNFTAAGYNSLESVARMTIEDVMSLGI
 TLVGHQKKIMSSIQTMRAQMLHLHGTGIQVTRTRPLEQKLISEEDLAANDILDYKDDD
 DKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name EPHA7 EPH receptor A7 [Homo sapiens (human)]

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Official Symbol	EPHA7
Synonyms	EPHA7; EPH receptor A7; EphA7; ephrin type-A receptor 7; Hek11; EK11; EHK-3; EPH-like kinase 11; EPH homology kinase 3; Eph homology kinase-3; receptor protein-tyrosine kinase HEK11; tyrosine-protein kinase receptor EHK-3; EHK3; HEK11;
Gene ID	2045
mRNA Refseq	NM_004440
Protein Refseq	NP_004431
MIM	602190
UniProt ID	Q15375
SDS-PAGE	